

PROJECTA

PRODUCT CATALOGUE

2022 / 2024



Welcome to the 2022/2024 Projecta catalogue – the largest and most exciting yet – with over 180 new and upgraded products, including the launch of Projecta’s new Intelli-Grid power management systems and Lithium Battery ranges.

PROJECTA

The Projecta name is built on a heritage which began back in 1989. Today, Projecta is recognised as Australasia’s market leader in high quality power management and battery maintenance products.

Designed and engineered at our head office in Melbourne, we have all the solutions you need to charge, harness and convert power for a variety of applications including:

- 4x4 & Recreation
- Transport
- Motor Trade
- Workshops
- Heavy Equipment
- Marine
- Mining
- Farming & Agriculture














We stand for quality: all Projecta products are rigorously tested in our on site state-of-the-art lab facilities to ensure our products live up to your expectations and beyond. When you pick up a Projecta product, you know you’re holding a quality power management solution. We’ve also built a reputation for world-class aftersales support service, with our dedicated support team assisting our customers with their DIY installations and any technical questions.

EXPANDED, UPGRADED RANGE

The Projecta product development team strives to improve existing products to guarantee the highest level of product performance and reliability. A key component of this team’s development program focuses on searching the world to source new technologies and products to include in our range. Our experience and knowledge of global product advancements also enables us to design and engineer new products from the ground up. The results are class-leading power management and battery maintenance products.

EVERYTHING BATTERY RELATED

We are perhaps best known for our market leading dual battery chargers; however, they’re just one range in our lineup of innovative and successful power solutions. From inverters with class-leading features, to jump starters with world’s first Rapid Recharge Technology (RRT), chargers, batteries, solar power and everything in between – in our catalogue you’ll find an enormous range of battery maintenance and battery power products that will keep you switched on.

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WE'RE HERE TO HELP

Power Management setups can seem confusing but our Australian-based in-house Technical Support team are here to help. Watch informative product videos on our **YouTube channel** or ask us a question on our **Projecta Switched On Tech Talk Facebook group page**.



SWITCHED ON TECH TALK
facebook.com/groups/projectaswitchedon



PRODUCT & HOW-TO VIDEOS
youtube.com/ProjectaAustralia



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BATTERY CHARGERS

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BATTERY CHARGER SELECTION GUIDE

Green: Ideal, Yellow: OK, Red: Occasional, Grey: Not Suitable

THE MOST COMPREHENSIVE RANGE OF BATTERY CHARGERS FOR ANY JOB

Whether working around the home, garage or professional workshop, Projecta has a Battery Charger to suit any 12V or 24V application. With several families encompassing a range of output sizes and multi-stage charging functionality, there is a battery charger for all budgets and needs. Suitable for the smaller requirements of the home handy man through to the needs of a professional workshop.

BATTERY TYPE

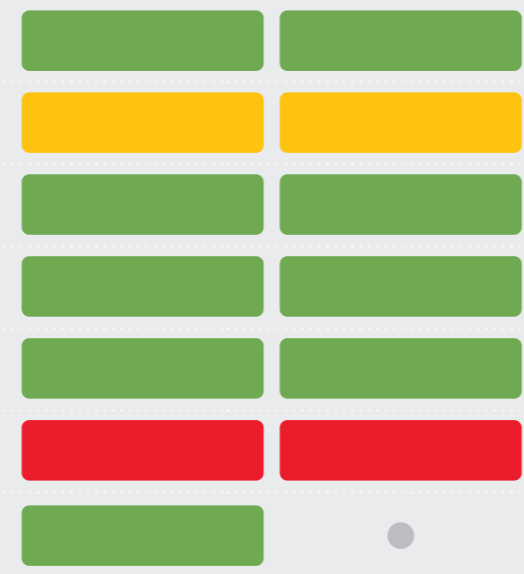
- STARTING
- CALCIUM
- MARINE
- DEEP CYCLE
- AGM
- GEL
- LITHIUM



CHARGE N' MAINTAIN

Charge N' Maintain delivers a comprehensive charge for automotive batteries. Automatic in operation, they are safe to leave connected to batteries, as they work through the multi-stage charging process. They will stop charging when full and then maintain the battery ready for next use.

AC008 AC015 AC040 AC080



- FULLY AUTOMATIC
- SAFE & EASY
- ADJUSTABLE OUTPUT
- HARDWIRING
- REJUVENATION
- CALCIUM MODE



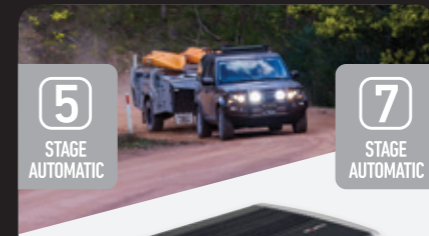
PRO-CHARGE

Sophisticated and easy to use battery chargers ideal for the home professional. Using 6 stage charging technology, Pro-Charge maximises battery life and performance helping restore drained and sulphated batteries.

PC400, PC800, PC1600, PC2100



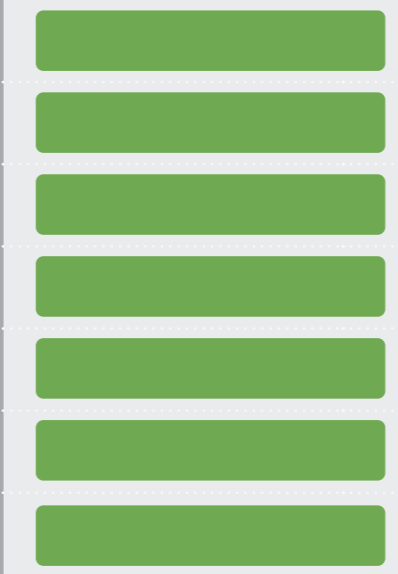
- FULLY AUTOMATIC
- SAFE & EASY
- ADJUSTABLE OUTPUT
- REJUVENATION
- CALCIUM MODE



INTELLI-CHARGE

Offering world class 7 stage technology and multi-chemistry charging including Lithium, Intelli-Charge maximises battery performance and life. Intelligent electronics monitor the charging process delivering an advanced 5 or 7 stage charge to the battery.

IC100L, IC7, IC7W, IC10, IC15, IC25, IC25W, IC25RV, IC35, IC50, IC8-24



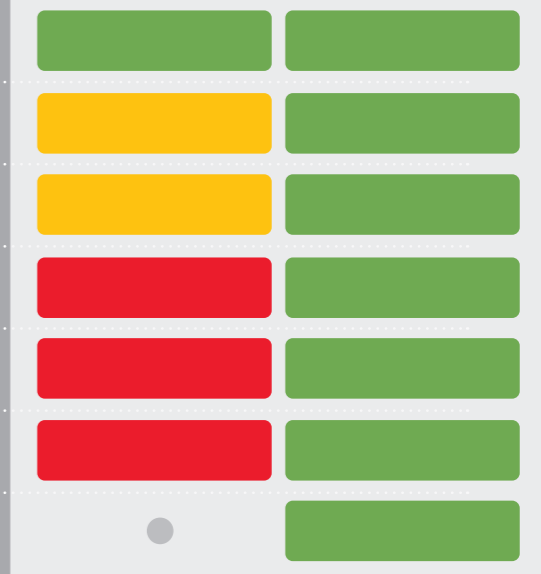
- FULLY AUTOMATIC
- SAFE & EASY
- RECONDITION
- ADJUSTABLE OUTPUT
- MULTI-CHEMISTRY
- POWER SUPPLY
- CALCIUM MODE
- LiFePO4 SAFETY



WORKSHOP

Constructed from a pressed metal outer enclosure for superior strength and durability, the Workshop range of chargers are a powerful tool for the automotive trade. The HDBM range utilises ultra reliable switch mode technology ensuring they can perform in the most unforgiving industrial situations.

HDBC20 HDBC35 HDBM35 HDBM150



- FULLY AUTOMATIC
- SAFE & EASY
- RECONDITION
- ADJUSTABLE OUTPUT
- MULTI-CHEMISTRY
- POWER SUPPLY
- 6/12/24 VOLT
- ENGINE START



THE CHARGE N' MAINTAIN RANGE

SUITABLE FOR EVERYDAY MOTORING

The Charge N' Maintain is perfectly suited to the DIY'er. No fuss options mean you can simply hook them up and the charger will do the rest. Projecta's Charge N' Maintain range offers a safe and practical method for charging all automotive and marine batteries.



4 STAGE AUTOMATIC
8 STAGE AUTOMATIC

ALL NEW
2 YEAR WARRANTY

Projecta Charge N' Maintain Chargers are 'Smart Chargers'. This technology offers switchable charging stages that ensure an accurate and efficient charge for the battery. This allows longer life and better performance for the battery over extended periods of time.

Projecta's Charge N' Maintain Smart Chargers communicate with the battery and ascertain its level of charge. This allows the charger to balance its load and optimise its charging methods to ensure charging is stopped when the battery reaches capacity.



AC008 | 12V 0.8 AMP



AC015 | 12V 1.5 AMP



AC040 | 6/12V 4 AMP



AC080 | 12V 8 AMP



FEATURES & BENEFITS



FULLY AUTOMATIC



Fully automatic and simple to connect and forget, with no risk of overcharging, maintains battery ready for use.



ADJUSTABLE OUTPUT



Adjusts the output to suit different battery sizes for optimum charging. (AC040 and AC080 only)



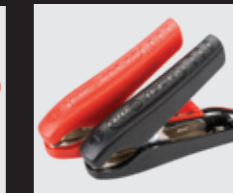
FUSED WIRING HARNESS



Quick-connect fused wiring harness for permanent installation.



SAFE & SIMPLE



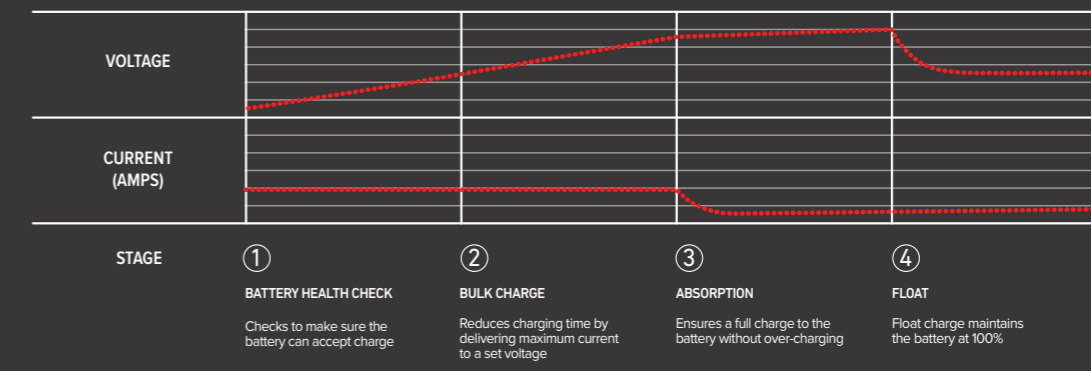
Spark-free and polarity protected, safe to use while the battery is still in the vehicle.



Scan QR Code for more information.

4 STAGE AUTOMATIC CHARGING (AC008 & AC015)

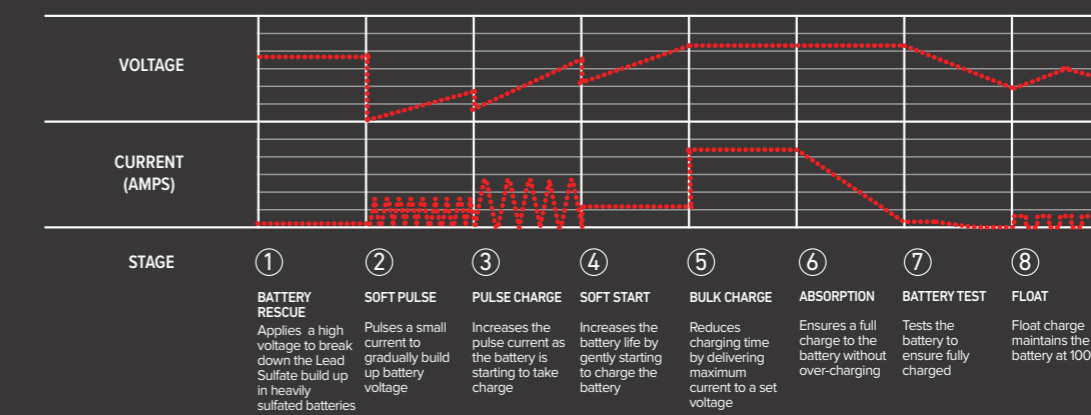
AC008 and AC015 are fully automatic smart battery chargers with 4 charge stages. The low output current is ideal for small batteries and helps maintain infrequently used vehicles as a battery maintainer prolonging the life of the battery. AC008 and AC015 are suitable for automotive and lithium (LiFePo₄) batteries.



8 STAGE AUTOMATIC CHARGING (AC040 & AC080)

The AC040 and AC080 are fully automatic battery chargers with 8 charge stages. Automatic charging protects the battery from being overcharged so the charger can be connected to the battery indefinitely. 8 stage charging is a sophisticated charging technique that gives the battery a longer life and better performance when compared to using traditional chargers.

These larger chargers are suitable for most 12V automotive and marine batteries (AC040 also suits 6V batteries).





AC008 | CHARGE N' MAINTAIN

12V AUTOMATIC BATTERY CHARGER

Ideal for maintaining infrequently used vehicles such as motorcycles, jet skis and ride on mowers.

4 STAGE
0.8 AMP

APPLICATION GUIDE

NEW



KEY FEATURES

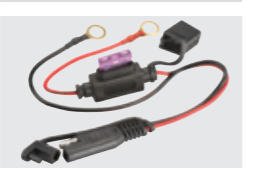
FULLY AUTOMATIC
Simply connect and forget, no risk of overcharging, maintains battery ready for use



SAFE & SIMPLE
Spark-free and polarity protected, safe to use while the battery is still in the vehicle



FUSED WIRING HARNESS
Quick-connect fused wiring harness for permanent installation (BCWH)



SPECIFICATIONS

PART NO.	AC008
TYPE	4 Stage Automatic
INPUT	100VAC-240VAC, 50-60HZ
OUTPUT	12V
OUTPUT CURRENT	0.8A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	<1.0mA
APPROVALS	Electrical Safety, EMC
IP RATING	IP65

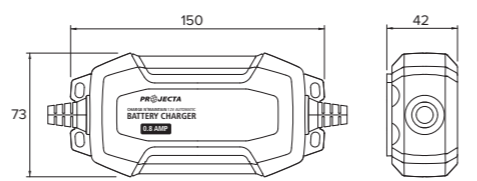
L.E.D CHARGE INDICATION

* GREEN LIGHT FLASHING	Charging Stage
• GREEN LIGHT ON	Fully Charged
• AMBER LIGHT ON	Fault

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	100-350CCA	Maintenance
MARINE	12V	150-400MCA	Maintenance
LITHIUM (LiFePO ₄)	12V	1-8Ah	1-10hrs

2
YEAR WARRANTY



ACCESSORIES: BCWH Fused Vehicle Harness, BCCL Battery Clamps, ACEX-3 3m extension cable



AC015 | CHARGE N' MAINTAIN

12V AUTOMATIC BATTERY CHARGER

The perfect charger for drivers who wish to maintain their batteries in superior condition. Particularly useful on infrequently used vehicles such as classic cars or boats.

4 STAGE
1.5 AMP

APPLICATION GUIDE

NEW



KEY FEATURES

FULLY AUTOMATIC
Simply connect and forget, no risk of overcharging, maintains battery ready for use



SAFE & SIMPLE
Spark-free and polarity protected, safe to use while the battery is still in the vehicle



FUSED WIRING HARNESS
Quick-connect fused wiring harness for permanent installation (BCWH)



MOUNTING BRACKET
Also included in the kit is a mounting bracket for easy permanent installation and an extensions cord for easy operation



SPECIFICATIONS

PART NO.	AC015
TYPE	4 Stage Automatic
INPUT	100VAC-240VAC, 50-60HZ
OUTPUT	12V
OUTPUT CURRENT	1.5A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	<1.0mA
APPROVALS	Electrical Safety, EMC
IP RATING	IP65

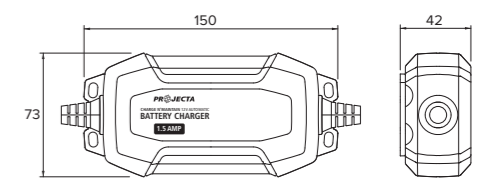
L.E.D CHARGE INDICATION

* GREEN LIGHT FLASHING	Charging Stage
• GREEN LIGHT ON	Fully Charged
• AMBER LIGHT ON	Fault

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	200-650CCA	Maintenance
MARINE	12V	250-700MCA	Maintenance
LITHIUM (LiFePO ₄)	12V	1-15Ah	1-10hrs

2
YEAR WARRANTY



ACCESSORIES: ACEX-3 3m extension cable, BCWH Fused Vehicle Harness, BCCL Battery Clamps, AC015MB Metal bracket,



AC040 | CHARGE N' MAINTAIN

6/12V AUTOMATIC BATTERY CHARGER

A smart charger that can be programmed to suit 6 or 12 volt batteries. Ideal for the home garage, suitable for passenger vehicles and leisure equipment.

8 STAGE
4 AMP

APPLICATION GUIDE

6 VOLT



12 VOLT



NEW



KEY FEATURES

FULLY AUTOMATIC
Fully automatic and spark free, simply connect and forget



SAFE & EASY
Short circuit and polarity protected, safe to use while the battery is still in the vehicle



ADJUSTABLE OUTPUT
Adjustable to suit different battery sizes for optimum charging



FUSED WIRING HARNESS
Quick-connect fused wiring harness for permanent installation (BCWH)



SPECIFICATIONS

PART NO.	AC040
TYPE	8 Stage Automatic 12V, 3 Stage Automatic 6V
INPUT	220VAC-240VAC, 50-60HZ
OUTPUT	12V / 6V
OUTPUT CURRENT	12V 1, 4A / 6V 4A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	2mA
APPROVALS	Electrical Safety, EMC
IP RATING	IP65

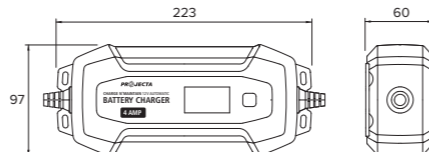
LCD SCREEN INDICATION	Whilst charging the screen will show the battery voltage and battery gauge
12V SLOW CHARGING	14.4V / 1.0A
12V FAST CHARGING	14.4V / 4.0A
12V WINTER CHARGING	14.7V / 4.0A

*Winter Mode is used when the temperature of the battery is <5°C

6V CHARGING	Charges 6V batteries
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BATTERY CHARGE TIMES				
Amps	DEEP CYCLE (Ah)	AUTOMOTIVE (CCA)	MARINE (MCA)	TIME (Hrs)
1 Amp - Slow	7-24	40-140	55-200	7-26
4 Amp - Fast	24-80	140-480	200-650	6-24

2 YEAR WARRANTY



ACCESSORIES: BCWH Fused Vehicle Harness, BCCL Battery Clamps, ACEX-3 3m extension cable



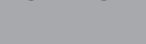
AC080 | CHARGE N' MAINTAIN

12V AUTOMATIC BATTERY CHARGER

The perfect home battery charger for those who have a range of equipment in the garage, ideal for motorcycles through to the higher power demands of 4WDs. It can be turned on and remain connected indefinitely.

8 STAGE
8 AMP

APPLICATION GUIDE



NEW



KEY FEATURES

FULLY AUTOMATIC
Fully automatic and spark free, simply connect and forget



SAFE & EASY
Short circuit and polarity protected, safe to use while the battery is still in the vehicle



ADJUSTABLE OUTPUT
Adjustable to suit different battery sizes for optimum charging



FUSED WIRING HARNESS
Quick-connect fused wiring harness for permanent installation (BCWH)



SPECIFICATIONS

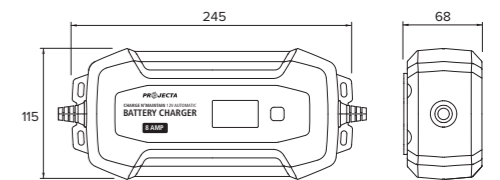
PART NO.	AC080
TYPE	8 Stage Automatic
INPUT	220VAC-240VAC, 50-60HZ
OUTPUT	12V
OUTPUT CURRENT	2, 8A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	2mA
APPROVALS	Electrical Safety, EMC
IP RATING	IP65

LCD SCREEN INDICATION	Whilst charging the screen will show the battery voltage and battery gauge
12V SLOW CHARGING	14.4V / 2.0A
12V FAST CHARGING	14.4V / 8.0A
12V WINTER CHARGING	14.7V / 8.0A

*Winter Mode is used when the temperature of the battery is <5°C

BATTERY CHARGE TIMES				
Amps	DEEP CYCLE (Ah)	AUTOMOTIVE (CCA)	MARINE (MCA)	TIME (Hrs)
2 Amp - Slow	14-50	80-300	110-400	7-26
8 Amp - Fast	50-160	300-1000	400-1300	6-24

2 YEAR WARRANTY



ACCESSORIES: BCWH Fused Vehicle Harness, BCCL Battery Clamps, ACEX-3 3m extension cable



THE PRO-CHARGE RANGE

TREAT YOUR BATTERY TO A PRO-CHARGE

No matter the number of different batteries & sizes you have around the home, the Pro-Charge range has the perfect solution. Available in 4 models ranging from the smallest PC400 boasting adjustable output of 1 Amp up to 4 Amps, through to the largest in the family, the PC2100 which can be set from as low as 2 Amps and jump up in increments to 21 Amps, there is a model to suit all charging needs.



Pro-Charge is a range of sophisticated and easy to use battery chargers ideal for the home professional and suitable for a wide range of 12V lead acid batteries and battery sizes.

Using advanced 6 stage charging technology, Pro-Charge maximises battery life and performance and can help restore drained and sulphated batteries.

Pro-Charge is fully automatic, spark-free and polarity protected, and can be left connected to a battery indefinitely without overcharging.



FEATURES & BENEFITS



FULLY AUTOMATIC SAFE & EASY



Fully automatic and spark-free, Pro-Charge is short circuit and polarity protected making it safe to use on batteries still connected to the vehicle. Can be left connected indefinitely without risk of overcharging.



REJUVENATION



An optional stage that breaks down sulphation and revitalises the battery cells, increasing battery life and performance.



CALCIUM MODE



Adjusts the charging profile to suit calcium batteries for complete charging.



ADJUSTABLE OUTPUT



Adjusts the output to suit different battery sizes for optimum charging.



LiFePO₄ BATTERIES



Suitable for charging lithium iron phosphate batteries as long as Rejuvenation mode and Calcium mode are NOT selected.



PC400 | 12V 4A

PC800 | 12V 8A

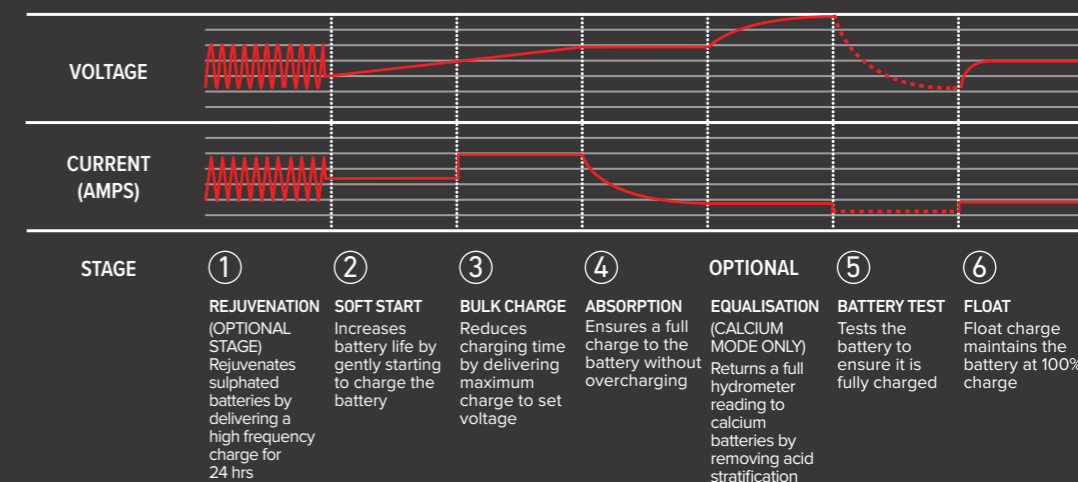
PC1600 | 12V 16A

PC2100 | 12V 21A

6 STAGE AUTOMATIC CHARGING

Pro-Charge uses 6 stage charging to deliver a fully automatic charge that is suitable for use on automotive, calcium, marine and deep cycle batteries.

The 6 stages of charging maximise the battery life and increase battery performance compared to a traditional 2 stage battery charger. Sophisticated electronic monitoring reduces charging time to deliver a professional result.





PC400 | PRO-CHARGE

12V AUTOMATIC BATTERY CHARGER

Ideal for the home professional wanting a charger for a range of charging applications, eg. motorcycle, jet ski and small passenger vehicles.



PRO RANGE

6 STAGE
4 AMP

APPLICATION GUIDE

-
-
-
-

KEY FEATURES

ADJUSTABLE OUTPUT
Suitable for a wide range of different size batteries



CALCIUM MODE
Adjusts the charging profile to suit calcium batteries



REJUVENATION MODE
Revitalises tired batteries, increasing battery life and performance*



SIDE MOUNTING WINGS
Optional mounting wings for permanent installation



FUSED WIRING HARNESS
0.6m harness allows permanent connection and features polarity protection (BCWH)



SPECIFICATIONS

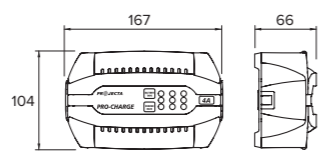
PART NO.	PC400
TYPE	6 Stage Battery Charger
INPUT	240VAC, 50Hz, 132W
OUTPUT	12V
OUTPUT CURRENT	1, 2, 4A
MINIMUM START VOLTAGE	3.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC

L.E.D CHARGE INDICATION

- BLUE LIGHT ON Bulk and absorption charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn off
- AMBER LIGHT ON Rejuvenation process occurring
- RED LIGHT ON Indicates faulty battery

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	40-480CCA	7-24 hrs
MARINE	12V	55-650MCA	7-24 hrs
DEEP CYCLE	12V	7-80Ah	7-24 hrs



* Subject to battery condition

REPLACEMENT PARTS: BCWH Fused vehicle harness BCCL Battery clips



PRO RANGE

6 STAGE
8 AMP

APPLICATION GUIDE

-
-
-
-
-
-

PC800 | PRO-CHARGE

12V AUTOMATIC BATTERY CHARGER

Perfect all-rounder for small to large batteries found in recreational vehicles, passenger vehicles and 4WDs.



KEY FEATURES

ADJUSTABLE OUTPUT
Suitable for a wide range of different size batteries



CALCIUM MODE
Adjusts the charging profile to suit calcium batteries



REJUVENATION MODE
Revitalises tired batteries, increasing battery life and performance*



SIDE MOUNTING WINGS
Optional mounting wings for permanent installation



SAFER CHARGING
Spark free and polarity protected



* Subject to battery condition

SPECIFICATIONS

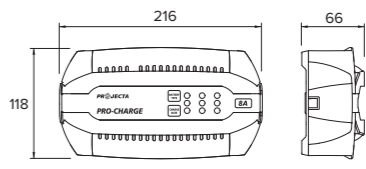
PART NO.	PC800
TYPE	6 Stage Battery Charger
INPUT	240VAC, 50Hz, 240W
OUTPUT	12V
OUTPUT CURRENT	2, 4, 8A
MINIMUM START VOLTAGE	3.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC

L.E.D CHARGE INDICATION

- BLUE LIGHT ON Bulk and absorption charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn off
- AMBER LIGHT ON Rejuvenation process occurring
- RED LIGHT ON Indicates faulty battery

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-1000CCA	7-24 hrs
MARINE	12V	110-1300MCA	7-24 hrs
DEEP CYCLE	12V	14-160Ah	7-24 hrs





BATTERY CHARGERS

PC1600 | PRO-CHARGE

12V AUTOMATIC BATTERY CHARGER

Fully adjustable, the PC1600 is the ideal all-rounder for the home professional.

PRO RANGE

6 STAGE
16 AMP

APPLICATION GUIDE



KEY FEATURES

ADJUSTABLE OUTPUT
Suitable for a wide range of different size batteries



CALCIUM MODE
Adjusts the charging profile to suit calcium batteries



REJUVENATION MODE
Revitalises tired batteries, increasing battery life and performance*



SIDE MOUNTING WINGS
Optional mounting wings for permanent installation



SAFER CHARGING
Spark free and polarity protected



SPECIFICATIONS

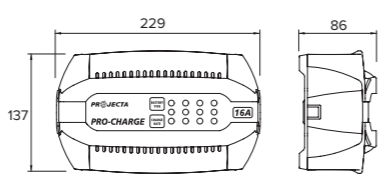
PART NO.	PC1600
TYPE	6 Stage Battery Charger
INPUT	240VAC, 50Hz, 432W
OUTPUT	12V
OUTPUT CURRENT	2, 4, 8, 16A
MINIMUM START VOLTAGE	3.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC

L.E.D CHARGE INDICATION

- BLUE LIGHT ON Bulk and absorption charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn off
- AMBER LIGHT ON Rejuvenation process occurring
- RED LIGHT ON Indicates faulty battery

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-1900CCA	7-24 hrs
MARINE	12V	110-2700MCA	7-24 hrs
DEEP CYCLE	12V	14-320Ah	7-24 hrs



* Subject to battery condition



BATTERY CHARGERS

PRO RANGE

6 STAGE
21 AMP

APPLICATION GUIDE



PC2100 | PRO-CHARGE

12V AUTOMATIC BATTERY CHARGER

A powerful charger offering a comprehensive 6 stage charge ideal for a wide range of battery sizes.



KEY FEATURES

ADJUSTABLE OUTPUT
Suitable for a wide range of different size batteries



CALCIUM MODE
Adjusts the charging profile to suit calcium batteries



REJUVENATION MODE
Revitalises tired batteries, increasing battery life and performance*



SIDE MOUNTING WINGS
Optional mounting wings for permanent installation



SAFER CHARGING
Spark free and polarity protected



SPECIFICATIONS

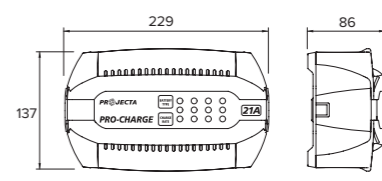
PART NO.	PC2100
TYPE	6 Stage Battery Charger
INPUT	240VAC, 50Hz, 600W
OUTPUT	12V
OUTPUT CURRENT	2, 4, 12, 21A
MINIMUM START VOLTAGE	3.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC

L.E.D CHARGE INDICATION

- BLUE LIGHT ON Bulk and absorption charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn off
- AMBER LIGHT ON Rejuvenation process occurring
- RED LIGHT ON Indicates faulty battery

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-2500CCA	7-24 hrs
MARINE	12V	110-3500MCA	7-24 hrs
DEEP CYCLE	12V	14-420Ah	7-24 hrs



* Subject to battery condition



THE INTELLI-CHARGE RANGE

NO MATTER THE SIZE OR TYPE, LEAVE IT TO INTELLI-CHARGE

Offering world class 5 or 7 stage technology and multi-chemistry charging, Intelli-Charge maximises battery performance and life.



NOW LITHIUM COMPATIBLE

- 5** STAGE AUTOMATIC (Lithium only)
- 7** STAGE AUTOMATIC
- 3** YEAR WARRANTY



Intelligent electronics monitor the charging process delivering an advanced 5 stage charge to lithium batteries and 7 stage charge to lead acid batteries. This process coupled with a chemistry specific charge process tailored to precisely match the battery type guarantees the optimum charge. Available from the lithium specific 1 Amp compact wall plug model, to the 7 through 50 Amp units boasting power supply mode, recondition and adjustable output, the Intelli-Charge range is the world's most advanced range of battery chargers.

- IC100L | 12V 1A
- IC7 | 12V 7A
- IC7W | 12V 7A WORKSHOP
- IC10 | 12V 10A
- IC15 | 12V 15A
- IC25 | 12V 25A
- IC25W | 12V 25A WORKSHOP
- IC25RV | 12V 25A RV FITMENT
- IC35 | 12V 35A
- IC50 | 12V 50A
- IC8-24 | 24V 8A

FEATURES & BENEFITS

FULLY AUTOMATIC SAFE & EASY	ADJUSTABLE OUTPUT	POWER SUPPLY MODE	MULTI-CHEMISTRY & LiFePO ₄ BATTERIES	INTELLI-CHARGE REMOTE

Fully automatic and spark-free, short circuit and polarity protection makes Intelli-Charge safe to use on batteries still connected to a vehicle, without risk of overcharging. User friendly display allows quick and easy customisation of settings.

Suitable for an array of different size batteries, Intelli-Charge battery chargers feature an adjustable charge rate that can be set as low as 2A* to deliver optimum and safe charging for all batteries.
*IC7 and IC7W can be set as low as 1A

Providing a constant voltage of 13.8VDC, this mode is best used where appliances, like a fridge, are draining power from the battery. This range can work without a battery connected.
*Excluding IC100L

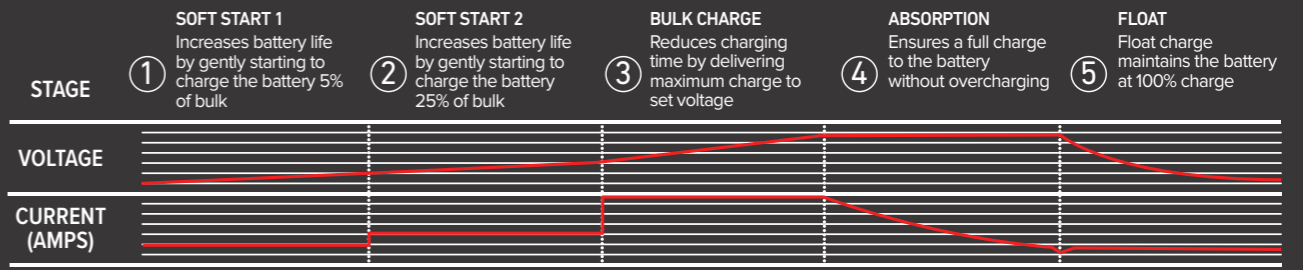
Intelli-Charge is designed for use on all types of batteries including Gel, AGM, Wet, Calcium and Lithium, allowing you to have one battery charger for all your battery charging needs.

Providing the same functions as the charger the controller allows the user to remotely control and monitor the charger's performance.
P/No. ICREMOTE-1

*Supplied standard on most of the 12V chargers, excluding IC15 and IC25W, not compatible with IC100L, IC7, IC7W and IC10.

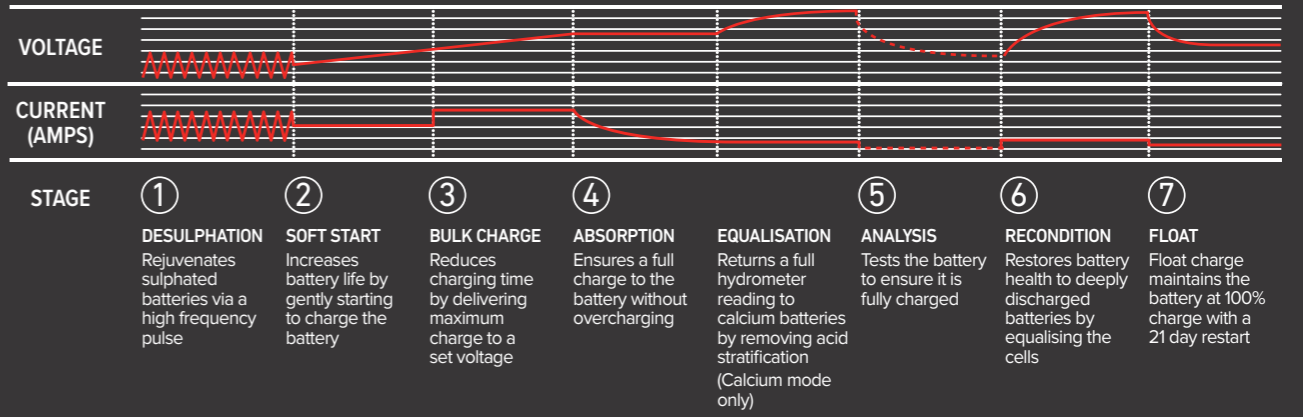
5 STAGE LITHIUM AUTOMATIC CHARGING

When the Lithium profile is selected, Intelli-Charge utilises a very specific and tailored 5 stage charging algorithm, engineered to get the best out of today's Lithium (LiFePO₄) batteries. From the smallest 1 Amp unit up to the largest 50 Amp offering, world class electronics guarantee the battery receives the ultimate charge to ensure maximum life and performance over the life of the battery.



7 STAGE AUTOMATIC CHARGING

Intelli-Charge incorporates the latest technology to deliver a charge suitable for automotive, calcium, marine and all types of deep cycle batteries (Gel and AGM). The 7 stages of charging ensure maximum battery life and performance are delivered with a faster charging time and ensure a complete charge is achieved. World leading electronics guarantee the battery receives the ultimate charge.





BATTERY CHARGERS

INTELLI RANGE

INTELLI-CHARGE

ICREMOTE-1

A sleek and modern controller that can be flush or surface mounted depending on the requirement.

Supplied as standard with the 25Amp model and up (excluding IC25W).

It is equipped with a fully functional control panel and LCD screen, providing the same functions as found on the charger itself.

Its key advantage is it permits the user to control and monitor the chargers performance remotely, allowing the charger to be mounted out of sight.

The remote is able to display the voltage when power is off, with the backlit screen dimming after 2 minutes.

Please note: The remote is not compatible with IC100L, IC7, IC7W and IC10.



PERMANENT HARDWIRING INSTALLATION

Most of Projecta's Intelli-Charge Battery Chargers* come with removable battery clamps that allow for permanent installation, ideal for caravans and camper trailer applications.

Once installed the battery charger provides a spark free connection to the battery and ensures the charger is always quick to connect and begins powering up the battery in seconds.

*Excludes IC100L



HOW TO HARDWIRE A BATTERY CHARGER TO A BATTERY

1. Unscrew the eyelet from the battery clamp of the battery charger.

2. Attach the eyelet connectors to the battery terminals, ensuring the correct polarity.



Positive terminal shown

INTELLI RANGE



BATTERY CHARGERS

IC100L | INTELLI-CHARGE

12V AUTOMATIC BATTERY CHARGER

The ideal charger for maintaining infrequently used vehicles such as motorcycles, jet skis and ride on mowers.

5 STAGE
1 AMP

APPLICATION GUIDE



LITHIUM COMPATIBLE



KEY FEATURES

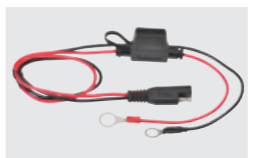
COMPREHENSIVE KIT
Supplied battery clamps and a fused vehicle harness provide charging options

FUSED WIRING HARNESS
0.6m harness allows permanent connection and features polarity protection

3 PIN ELECTRICAL PLUG
Plugs directly into standard electrical outlet

SAFER CHARGING
Spark free and polarity protected

L.E.D INDICATOR
Displays charge status



SPECIFICATIONS

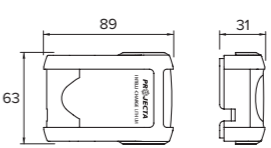
PART NO.	IC100L
TYPE	5 Stage Automatic
INPUT	240VAC, 50Hz, 20W
OUTPUT	12V
OUTPUT CURRENT	1A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.2V
FLOAT	13.5V

L.E.D CHARGE INDICATION

- RED LIGHT ON Power on, not charging
- * RED LIGHT FLASHING Fault
- * GREEN LIGHT FLASHING Charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	100-320CCA	2-10hrs
DEEP CYCLE	12V	2-10Ah	2-10hrs
LITHIUM	12V	2-10Ah	2-10hrs



3 YEAR WARRANTY

REPLACEMENT PARTS: BCWH Fused Vehicle Harness BCCL Battery Clips



BATTERY CHARGERS

IC7 | INTELLI-CHARGE 12V AUTOMATIC BATTERY CHARGER

Delivers a high quality charge tailored to suit all battery chemistry types. Ideal for use on smaller passenger vehicles through to 4WDs.

INTELLI RANGE

7 STAGE
7 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

NEW



KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



FUSED WIRING HARNESS
0.6m harness allows permanent connection for concealed batteries



SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



SPECIFICATIONS

PART NO.	IC7
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 110W
OUTPUT	12V
OUTPUT CURRENT	1, 2, 4, 7A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

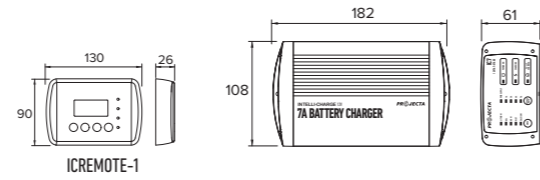
L.E.D CHARGE INDICATION

• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	40-800CCA	6-12 hrs
MARINE	12V	55-900MCA	8-15 hrs
DEEP CYCLE	12V	7-140Ah	6-20 hrs
LITHIUM	12V	2-70Ah	2-10 hrs

3
YEAR
WARRANTY



REPLACEMENT PARTS:
BCWH Fused vehicle harness BCCL Battery clips

INTELLI RANGE

7 STAGE
7 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

IC7W | INTELLI-CHARGE 12V AUTOMATIC WORKSHOP BATTERY CHARGER

Offering all the features of its standard 7A counterpart, this sophisticated and compact charger is supplied with protective rubber moulded end caps for enhanced durability, ideal for the rigours of workshop environments.

NEW



KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



SAFER CHARGING
Spark free and polarity protected connection



SHOCK & DUST PROOF
Durable construction with rubber moulded end caps for the toughest workshop conditions



SPECIFICATIONS

PART NO.	IC7W
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 110W
OUTPUT	12V
OUTPUT CURRENT	1, 2, 4, 7A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

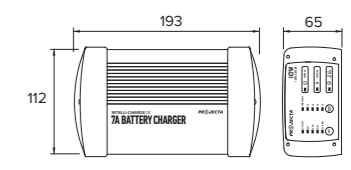
L.E.D CHARGE INDICATION

• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	40-800CCA	6-12 hrs
MARINE	12V	55-900MCA	8-15 hrs
DEEP CYCLE	12V	7-140Ah	6-20 hrs
LITHIUM	12V	2-70Ah	2-10 hrs

3
YEAR
WARRANTY



BATTERY CHARGERS



BATTERY CHARGERS

IC10 | INTELLI-CHARGE 12V AUTOMATIC BATTERY CHARGER

Compact in size but full of features, this small yet powerful charger can be set to suit a range of battery chemistry types and sizes, ideal for charging deep cycle batteries used by travellers and work vehicles.

INTELLI RANGE

7 STAGE
10 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

NEW



KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



SAFER CHARGING
Spark free and polarity protected connection



SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger is ready for the toughest conditions



SPECIFICATIONS

PART NO.	IC10
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 160W
OUTPUT	12V
OUTPUT CURRENT	2, 4, 6, 10A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	1mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

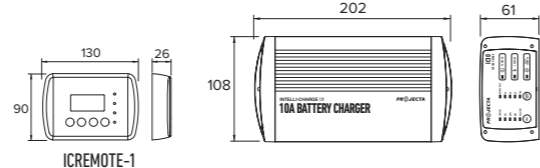
L.E.D CHARGE INDICATION

- RED LIGHT ON Power on
- BLUE LIGHT ON Charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-1000CCA	6-12 hrs
MARINE	12V	110-1200MCA	8-15 hrs
DEEP CYCLE	12V	14-200Ah	6-20 hrs
LITHIUM	12V	4-100Ah	2-10 hrs

3
YEAR
WARRANTY



BATTERY CHARGERS

IC15 | INTELLI-CHARGE 12V AUTOMATIC BATTERY CHARGER

The perfect charger for large batteries found in boats, camper trailers and caravans, the IC15 is ideal for permanent fixture offering a fast and comprehensive charge when off the beaten track.

INTELLI RANGE

7 STAGE
15 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

NEW



KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control (remote sold separately)



SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



SPECIFICATIONS

PART NO.	IC15
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 240W
OUTPUT	12V
OUTPUT CURRENT	2, 4, 8, 15A
MINIMUM START VOLTAGE	2.0V
BACK DRAIN	Charger 1mA, with remote 2mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

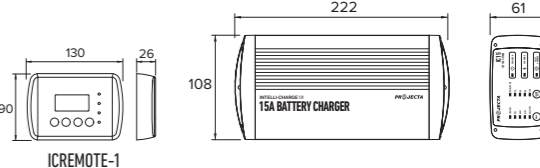
L.E.D CHARGE INDICATION

- RED LIGHT ON Power on
- BLUE LIGHT ON Charging
- GREEN LIGHT ON Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-2000CCA	6-15 hrs
MARINE	12V	110-2500MCA	8-20 hrs
DEEP CYCLE	12V	14-300Ah	6-20 hrs
LITHIUM	12V	4-150Ah	2-10 hrs

3
YEAR
WARRANTY



OPTIONAL ACCESSORIES: ICREMOTE-1 Remote Control



BATTERY CHARGERS

IC25 | INTELLI-CHARGE 12V AUTOMATIC BATTERY CHARGER

A highly advanced automatic charger for those serious about portable power, the IC25 can be set to suit the battery's chemistry type and features adjustable charge rate to perfectly match the size of your batteries.

INTELLI RANGE

7 STAGE
25 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

NEW



Temperature Compensation Lead

KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium

ADJUSTABLE OUTPUT
Adjustable for different battery sizes and includes 1.8m temperature compensation lead for precise charging

POWER SUPPLY MODE
Maintains a constant voltage on a battery making it ideal for vehicle diagnostics

WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control, includes 4.5m lead

SHOCK & DUST PROOF
Durable construction and safer charging with spark free and polarity protected connection



SPECIFICATIONS

PART NO.	IC25
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 450W
OUTPUT	12V
OUTPUT CURRENT	2, 6, 12, 25A
MINIMUM START VOLTAGE	2.5V
BACK DRAIN	Charger 3mA, 4mA with remote
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

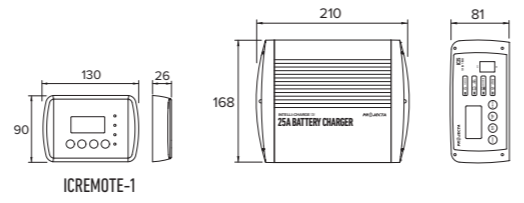
L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-3000CCA	7-24 hrs
MARINE	12V	110-4200MCA	7-24 hrs
DEEP CYCLE	12V	14-500Ah	7-24 hrs
LITHIUM	12V	4-250Ah	2-10 hrs

3
YEAR
WARRANTY



REPLACEMENT PARTS: **ICTEMP** Temperature Compensation Lead 1.8m long **ICREMOTE-1** Remote Control **BC100R** 100A Clamp – POS **BC100B** 100A Clamp – NEG
OPTIONAL ACCESSORIES: **ICTEMP-5M** Temperature Compensation Lead 5m long **ICLEAD-10M** 10m Extension lead for ICREMOTE-1



BATTERY CHARGERS

IC25W | INTELLI-CHARGE 12V AUTOMATIC WORKSHOP BATTERY CHARGER

Ideal for workshop environments, this powerful charger features protective rubber moulded end caps for superior durability. It offers all the features of its standard 25A counterpart without the remote control and temperature compensation probe.

INTELLI RANGE

7 STAGE
25 AMP

APPLICATION GUIDE



NOW
LITHIUM
COMPATIBLE

NEW



KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium

ADJUSTABLE OUTPUT
Adjustable for different battery sizes for precise charging

POWER SUPPLY MODE
Maintains a constant voltage on a battery making it ideal for vehicle diagnostics

SAFER CHARGING
Spark free and polarity protected connection

SHOCK & DUST PROOF
Durable construction with rubber moulded end caps for the toughest workshop conditions



SPECIFICATIONS

PART NO.	IC25W
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 450W
OUTPUT	12V
OUTPUT CURRENT	2, 6, 12, 25A
MINIMUM START VOLTAGE	2.5V
BACK DRAIN	3mA
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

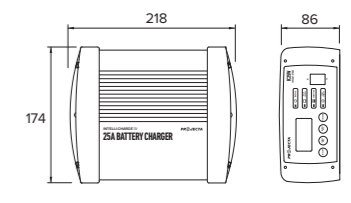
L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-3000CCA	7-24 hrs
MARINE	12V	110-4200MCA	7-24 hrs
DEEP CYCLE	12V	14-500Ah	7-24 hrs
LITHIUM	12V	4-250Ah	2-10 hrs

3
YEAR
WARRANTY



REPLACEMENT PARTS: **BC100R** 100A Clamp – POS **BC100B** 100A Clamp – NEG
OPTIONAL ACCESSORIES: **ICTEMP-5M** Temperature Compensation Lead 5m long **ICTEMP** Temperature Compensation Lead 1.8m long **ICREMOTE-1** Remote Control **ICLEAD-10M** 10m Extension lead for ICREMOTE-1



BATTERY CHARGERS

IC25RV | INTELLI-CHARGE

12V AUTOMATIC RV BATTERY CHARGER

The ideal charger for direct RV fitment. Delivering a sophisticated charge and multi-chemistry profile selection, this ultra robust 25A unit is engineered to handle the rigours of on and off-road in-vehicle permanent installation.

INTELLI RANGE

7 STAGE
25 AMP

APPLICATION GUIDE



NOW LITHIUM COMPATIBLE

NEW



Temperature Compensation Lead

KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes and includes 5m temperature compensation lead for precise charging



DIRECT INSTALLATION
Supplied with 1.5m length terminated leads for permanent fitment to RV



WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control, includes 10m lead



SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



SPECIFICATIONS

PART NO.	IC25RV
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 450W
OUTPUT	12V
OUTPUT CURRENT	2, 6, 12, 25A
MINIMUM START VOLTAGE	2.5V
BACK DRAIN	Charger 3mA, 4mA with remote
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

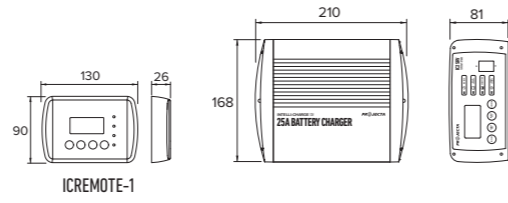
L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-3000CCA	7-24 hrs
MARINE	12V	110-4200MCA	7-24 hrs
DEEP CYCLE	12V	14-500Ah	7-24 hrs
LITHIUM	12V	4-250Ah	2-10 hrs

3 YEAR WARRANTY



REPLACEMENT PARTS: ICLEAD-10M 10m Extension lead for ICREMOTE-1 ICREMOTE-1 Remote Control ICTEMP-5M Temperature Compensation Lead 5m long
OPTIONAL ACCESSORIES: ICTEMP Temperature Compensation Lead 1.8m long BC100R 100A Clamp – POS BC100B 100A Clamp – NEG



BATTERY CHARGERS

IC35 | INTELLI-CHARGE

12V AUTOMATIC BATTERY CHARGER

With class leading multi-stage charging technology this advanced automatic charger is ideal for the high power demands of caravans and motor homes delivering an extremely comprehensive and accurate charge that gives your batteries longer life and better performance.

INTELLI RANGE

7 STAGE
35 AMP

APPLICATION GUIDE



NOW LITHIUM COMPATIBLE

NEW



Temperature Compensation Lead

KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes and include 1.8m temperature compensation lead for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control, includes 4.5m lead



SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



SPECIFICATIONS

PART NO.	IC35
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 570W
OUTPUT	12V
OUTPUT CURRENT	2, 8, 16, 35A
MINIMUM START VOLTAGE	2.5V
BACK DRAIN	Charger 1mA, 2mA with remote
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

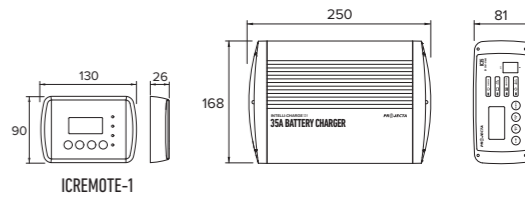
L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80-4200CCA	7-24 hrs
MARINE	12V	110-5800MCA	7-24 hrs
DEEP CYCLE	12V	14-700Ah	7-24 hrs
DEEP CYCLE	12V	4-350Ah	2-10 hrs

3 YEAR WARRANTY



REPLACEMENT PARTS: ICTEMP Temperature Compensation Lead 1.8m long ICREMOTE-1 Remote Control BC100R 100A Clamp – POS BC100B 100A Clamp – NEG
OPTIONAL ACCESSORIES: ICTEMP-5M Temperature Compensation Lead 5m long ICLEAD-10M 10m Extension lead for ICREMOTE-1



BATTERY CHARGERS

IC50 | INTELLI-CHARGE

12V AUTOMATIC BATTERY CHARGER

An extremely versatile charger that is capable of being set to charge smaller batteries found in recreational equipment right up to the huge power demands of large battery banks often found on houseboats and yachts.

INTELLI RANGE

7 STAGE
50 AMP

APPLICATION GUIDE



NOW LITHIUM COMPATIBLE

NEW



Temperature Compensation Lead

KEY FEATURES

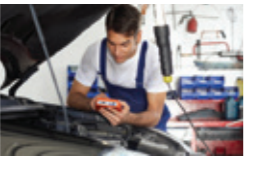
MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes and includes 1.8m temperature compensation lead for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 12V appliances



WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control, includes 4.5m lead

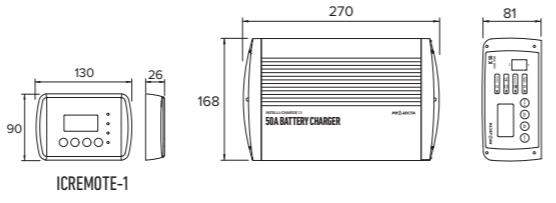


SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



REPLACEMENT PARTS: **ICTEMP** Temperature Compensation Lead 1.8m long **ICREMOTE-1** Remote Control **BC100R** 100A Clamp – POS **BC100B** 100A Clamp – NEG
OPTIONAL ACCESSORIES: **ICTEMP-5M** Temperature Compensation Lead 5m long **ICLEAD-10M** 10m Extension lead for ICREMOTE-1

3 YEAR WARRANTY



SPECIFICATIONS

PART NO.	IC50
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 800W
OUTPUT	12V
OUTPUT CURRENT	2, 6, 12, 25, 50A
MINIMUM START VOLTAGE	1.0V
BACK DRAIN	Charger 1mA, 2mA with remote
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 16.0V (CALCIUM), 14.2V (LITHIUM)

L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	80–6000CCA	7–24 hrs
MARINE	12V	110–8300MCA	7–24 hrs
DEEP CYCLE	12V	14–1000Ah	7–24 hrs
LITHIUM	12V	4–500Ah	2–10 hrs

INTELLI RANGE

7 STAGE
8 AMP

APPLICATION GUIDE



NOW LITHIUM COMPATIBLE

IC8-24 | INTELLI-CHARGE

24V AUTOMATIC BATTERY CHARGER

A highly advanced charger for all your 24V battery requirements. Capable of being set to perfectly suit the specific battery chemistry type as well as offering an adjustable charge rate feature to match a large range of battery sizes.

NEW



Temperature Compensation Lead

KEY FEATURES

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



ADJUSTABLE OUTPUT
Adjustable for different battery sizes and includes 1.8m temperature compensation lead for precise charging



POWER SUPPLY MODE
Retains vehicle computer settings when changing a battery or can run 24V appliances



WIRED REMOTE CONTROL
Allows charger to be mounted out of sight yet retain total control, includes 4.5m lead

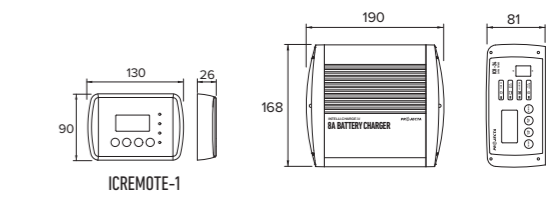


SHOCK & DUST PROOF
Durable construction with a dust and shock proof body this charger has spark free and polarity protected connection



REPLACEMENT PARTS: **ICTEMP** Temperature Compensation Lead 1.8m long **ICREMOTE-1** Remote Control **BC100R** 100A Clamp – POS **BC100B** 100A Clamp – NEG
OPTIONAL ACCESSORIES: **ICTEMP-5M** Temperature Compensation Lead 5m long **ICLEAD-10M** 10m Extension lead for ICREMOTE-1

3 YEAR WARRANTY



SPECIFICATIONS

PART NO.	IC8-24
TYPE	7 Stage Automatic
INPUT	240VAC, 50Hz, 270W
OUTPUT	24V
OUTPUT CURRENT	2, 4, 6, 8A
MINIMUM START VOLTAGE	4.5V
BACK DRAIN	Charger 3mA, 4mA with remote
APPROVALS	Electrical Safety, EMC
CHARGE VOLTAGE	28.2V (GEL), 28.8V (AGM), 29.4V (WET), 32.0V (CALCIUM), 28.4V (LITHIUM)

L.E.D CHARGE INDICATION

SCREEN	Back lit LCD screen
• RED LIGHT ON	Power on
• BLUE LIGHT ON	Charging
• GREEN LIGHT ON	Fully charged and maintaining, no need to turn the charger off

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	24V	80–1000CCA	7–24 hrs
MARINE	24V	110–1300MCA	7–24 hrs
DEEP CYCLE	24V	14–160Ah	7–24 hrs
LITHIUM	24V	8–200Ah	2–10 hrs



WORKSHOP RANGE

DESIGNED FOR THE MOST DEMANDING INDUSTRIAL ENVIRONMENTS

These robust, purpose built workshop battery chargers are available in two styles; the traditional 2 stage automatic industrial style charger, tested and proven over decades of use throughout workshops around the world, and the new sophisticated 9 stage automatic charger boasting a host of features making it the ideal battery manager for modern workshops.



2

STAGE
AUTOMATIC

9

STAGE
AUTOMATIC



The Workshop range of chargers are a powerful tool for the automotive trade. Constructed from a durable pressed metal outer enclosure for superior strength and durability, with the HDBM range utilising ultra-reliable switch mode technology to ensure they last the extra mile in the most unforgiving industrial situations. They are a versatile unit that can be used to charge many battery types and are powerful enough to ensure the job gets done every time.



HDBC20 | 6/12/24V 12A



HDBC35 | 6/12/24V 21A



HDBM35 | 12/24V 35A



HDBM150 | 12/24V 150A

FEATURES & BENEFITS



FULLY AUTOMATIC
SAFE & EASY



Fully automatic and spark-free, the Workshop range offers short circuit and polarity protection making them safe to use on batteries still connected to a vehicle. Can be left connected indefinitely without risk of overcharging. User friendly dials and displays allow quick and easy adjustment of settings.



ADJUSTABLE OUTPUT



The sophisticated HDBM Battery Manager offers total customisation of the charge settings, from adjustable output for different battery sizes to chemistry type selection to suit Lead Acid, Wet, Calcium, AGM, Gel and Lithium.



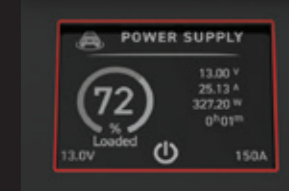
MULTI-VOLTAGE
OPERATION



The Workshop charger range features multi-voltage operation, ideal for industrial environments where 6V, 12V or 24V batteries are often utilised.



POWER SUPPLY MODE



The Workshop range of battery chargers feature a powerful and ultra safe power supply, providing a stable output during the most demanding diagnostic and recalibration tasks. Ideal for ECU programming and reading.

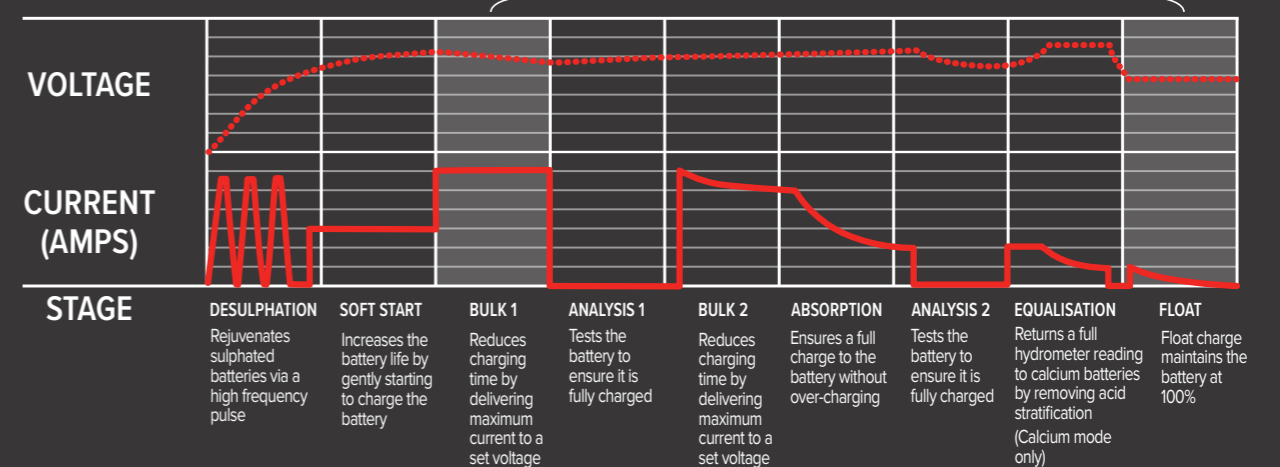
2 & 9 STAGE CHARGER OPTIONS

The Workshop range of chargers each feature total automatic charging functionality, and depending on the level of sophistication required for the job at hand are available in either 2 stage (HDBC20 & HDBC35) or 9 stage (HDBM35 & HDBM150) options.

The graph below details the different charging stages for both offerings. The two HDBC chargers utilise a traditional, robust and ultra reliable process to deliver a powerful charge suitable for automotive batteries. The 2 stage charging process ensures the battery is topped up quickly, safely and won't be over charged.

The 9 stage charging process of HDBM35 and HDBM150 ultimately delivers a more sophisticated and thorough charge, giving batteries longer life and better performance in the long term. An advanced 'Analysis' process within the 9 stages tests the battery during the charging process and if a pass is detected will proceed to 'Float' mode. A fail however will result in a 'Recondition' charge to revive the battery. Once the battery is fully charged, the charger will continue to monitor the battery without the risk of overcharging.

2 STAGE CHARGING



9 STAGE CHARGING



HDBC20 | WORKSHOP

6/12/24V AUTOMATIC & MANUAL BATTERY CHARGER

With plenty of power, engine start function and the ability to charge 6, 12 or 24V batteries, it is perfectly suited to mechanical workshops and auto electricians.



2 STAGE
12 AMP

APPLICATION GUIDE

KEY FEATURES

MULTI-VOLTAGE OPERATION
Adjustable to suit 6, 12 or 24 Volt operation



AUTOMATIC OR MANUAL
Charging options keep the operator in control



0-14 HOUR TIMER
Automatically turns charger off at set time



ENGINE START FUNCTION
Starts vehicle with a flat battery after a controlled 5 minute charge*



L.E.D DISPLAY
Displays Volt and Amp readings for accurate charge status



* Subject to battery condition

SPECIFICATIONS

PART NO.	HDBC20		
TYPE	2 Stage Automatic & Manual		
INPUT	240V, 50Hz, 324W		
OUTPUT CURRENT	12.0A at 6.0V, 12.0A at 12.0V, 7.7A at 26.0V		
ENGINE START	5 cycles 5 min on, 5 min off		
	6V	12V	24V
	50A at 3.6V	50A at 7.2V	25A at 14.4V

CHARGE VOLTAGE	Cut out:	7.1V	14.2V	28.4V
	Cut in:	6.7V	13.4V	26.8V
	Start:	0.0V	0.0V	0.0V

APPROVALS Electrical Safety, EMC

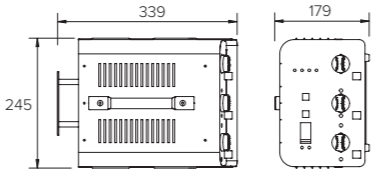
L.E.D CHARGE INDICATION

- * RED LIGHT FLASHING Overload
- SECOND RED LIGHT ON Power on
- * SECOND RED LIGHT FLASHING Reverse connection

- AMBER LIGHT ON Charging
 - GREEN LIGHT ON Fully charged
- L.E.D SCREEN Voltage/Current

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE (CCA)	6, 12, 24V	450-1200CCA	6-15 hrs
MARINE (MCA)	6, 12, 24V	600-1400MCA	8-18 hrs



HDBC35 | WORKSHOP

6/12/24V AUTOMATIC & MANUAL BATTERY CHARGER

Designed for the most demanding environments such as heavy duty transport and agriculture. Delivers ample power, sturdy construction and various charging options.



2 STAGE
21 AMP

APPLICATION GUIDE

KEY FEATURES

MULTI-VOLTAGE OPERATION
Adjustable to suit 6, 12 or 24 Volt operation



AUTOMATIC OR MANUAL
Charging options keep the operator in control



0-14 HOUR TIMER
Automatically turns charger off at set time



ENGINE START FUNCTION
Starts vehicle with a flat battery after a controlled 5 minute charge*



L.E.D DISPLAY
Displays Volt and Amp readings for accurate charge status



* Subject to battery condition

SPECIFICATIONS

PART NO.	HDBC35		
TYPE	2 Stage Automatic & Manual		
INPUT	240V, 50Hz, 636W		
OUTPUT CURRENT	21.0A at 6.3V, 21.0A at 12.0V, 13.5A at 26.0V		
ENGINE START	5 cycles 5 min on, 5 min off		
	6V	12V	24V
	85A at 3.6V	85A at 7.2V	45A at 14.4V

CHARGE VOLTAGE	Cut out:	7.1V	14.2V	28.4V
	Cut in:	6.7V	13.4V	26.8V
	Start:	0.0V	0.0V	0.0V

APPROVALS Electrical Safety, EMC

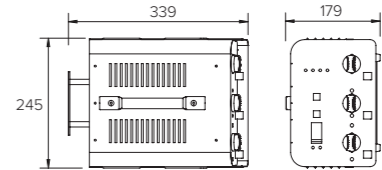
L.E.D CHARGE INDICATION

- * RED LIGHT FLASHING Overload
- SECOND RED LIGHT ON Power on
- * SECOND RED LIGHT FLASHING Reverse connection

- AMBER LIGHT ON Charging
 - GREEN LIGHT ON Fully charged
- L.E.D SCREEN Voltage/Current

BATTERY CHARGE TIMES

	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE (CCA)	6, 12, 24V	550-2000CCA	4-10 hrs
MARINE (MCA)	6, 12, 24V	700-2500MCA	5-12 hrs





HDBM35 | WORKSHOP

12/24V AUTOMATIC BATTERY MANAGER

An all-in-one solution for testing, charging and maintaining 12 or 24V batteries of multiple chemistries, including supply mode for diagnosing and tuning vehicles.

NEW



9 STAGE
AUTOMATIC
5 STAGE
LITHIUM
35 AMP

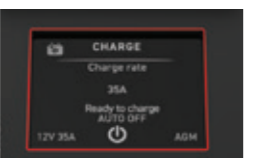
APPLICATION GUIDE



LITHIUM
COMPATIBLE

KEY FEATURES

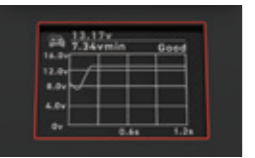
CUSTOMISABLE CHARGE PROFILE
Adjustable output for different battery sizes and chemistry type selection to suit Lead Acid, Wet, Calcium, AGM, Gel and Lithium



35A POWER SUPPLY
A powerful and ultra safe power supply, providing a stable output during the most demanding diagnostic and recalibration tasks



TESTING & DIAGNOSTICS
Sophisticated functions to accurately test a vehicle's alternator for faults and starting capacity, as well as measure voltage levels



HEAVY DUTY CLAMPS
Quick release 3m 8mm² charging lead with heavy duty copper clamps



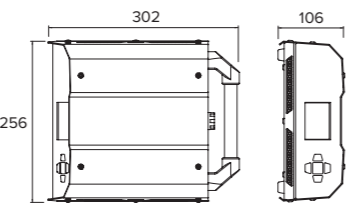
SHOCK & DUST PROOF
Durable construction and safer charging with spark free and polarity protected connection



SPECIFICATIONS

PART NO.	HDBM35		
TYPE	9 Stage Automatic, 5 Stage Lithium		
INPUT	220-240VAC, 50Hz		
OUTPUT CURRENT	1-35A (adjustable)		
CHARGE VOLTAGE	12V	24V	
	GEL	14.1V	28.2V
	AGM	14.4V	28.8V
	WET	14.7V	29.4V
	EFB	14.5V	29.0V
	LITHIUM:	14.2V	28.8V
FLOAT VOLTAGE	13.6V	27.2V	
START VOLTAGE	1V	17.5V	
BACK DRAIN	1mA	1mA	
SHOWROOM MODE	12.6V - 14.5V		
APPROVALS	Electrical Safety, EMC		

BATTERY CHARGE TIMES	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	42-4200CCA	7-24 hrs
MARINE	55-5800MCA	7-24 hrs
DEEP CYCLE	7-700AH	7-24 hrs
LITHIUM	2-700AH	2-20 hrs



REPLACEMENT PARTS:
BC35L 8mm² 3m charging leads



HDBM150 | WORKSHOP

12V AUTOMATIC BATTERY MANAGER & POWER SUPPLY

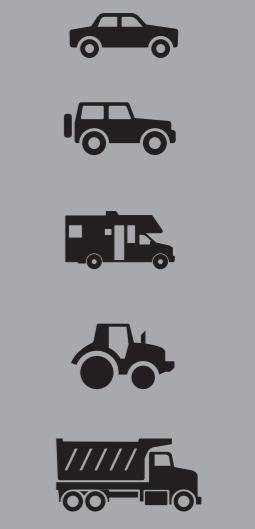
An all-in-one solution for testing, charging and maintaining 12V batteries of multiple chemistries, including power supply mode for diagnosing and tuning vehicles.

NEW



9 STAGE
AUTOMATIC
5 STAGE
LITHIUM
150 AMP

APPLICATION GUIDE



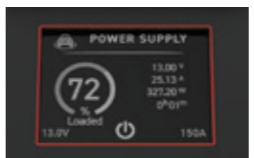
LITHIUM
COMPATIBLE

KEY FEATURES

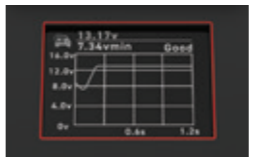
CUSTOMISABLE CHARGE PROFILE
Adjustable output for different battery sizes and chemistry type selection to suit Lead Acid, Wet, Calcium, AGM, Gel and Lithium



150A POWER SUPPLY
A powerful and ultra safe power supply, providing a stable output during the most demanding diagnostic and recalibration tasks



TESTING & DIAGNOSTICS
Maintains constant voltage allowing vehicle diagnostics or to retain settings during battery replacement



HEAVY DUTY CLAMPS
Quick release 3m 25mm² charging lead with heavy duty copper clamps



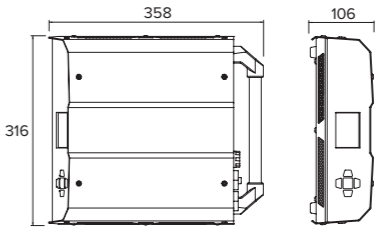
SHOCK & DUST PROOF
Durable construction and safer charging with spark free and polarity protected connection



SPECIFICATIONS

PART NO.	HDBM150	
TYPE	9 Stage Automatic, 5 Stage Lithium	
INPUT	220-240VAC, 50Hz	
OUTPUT CURRENT	5-100A (adjustable)	
CHARGE VOLTAGE	12V	
	GEL	14.1V
	AGM	14.4V
	WET	14.7V
	EFB	14.5V
	LITHIUM:	14.2V
FLOAT VOLTAGE	13.6V	
START VOLTAGE	1V	
BACK DRAIN	1mA	
DIAGNOSIS MODE OUTPUT	12.0V - 15.0V	
APPROVALS	Electrical Safety, EMC	

BATTERY CHARGE TIMES	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	210-12000CCA	7-24 hrs
MARINE	250-16600MCA	7-24 hrs
DEEP CYCLE	35-2000AH	7-24 hrs
LITHIUM	10-2000AH	2-20 hrs



REPLACEMENT PARTS:
BC150L 25mm² 3m charging leads



EV CHARGERS & ACCESSORIES

POWERING YOUR DRIVE

Projecta's EV range is the perfect compliment to any new or old EV with cables to suit both Type 1 and Type 2. It could simply be that the EV cables have been lost, or the vehicle did not come with a certain cable or required accessory. Projecta has you covered.

ALL NEW



EVC2KW



EVCBT2T2



EVCBT2T2-3P



EVCBT2T1



EVAPT2T1



EVAPT1T2



EVOCT1



EVICT2



EVOCT2



EVEHT1



EVEHT2



EWWHT1



EWWHT2

FEATURES & BENEFITS



WEATHER PROOF



All Projecta chargers and cables are weather proof so charging outside is not a problem.



ERGONOMIC DESIGN



Projecta's chargers have an ergonomic design for comfortable use, with the ability to endure heavy use and caps that prevent water and dirt ingress these charging cables are ready for all conditions.



HIGH QUALITY DURABLE CABLES



High quality multiple stranded EV cables allow for super flexible leads and are still able to carry large currents. 1K10 rated to withstand the toughest conditions.



EVA STORAGE CASES



Hard wearing compact heavy duty storage case to store your cables and charger safely and securely.

ESSENTIAL ELECTRIC VEHICLE GEAR

EVERY EV OWNER MUST HAVE:

2.4KW Emergency Charger



EVC2KW

This emergency charger is ideal if you are going on holidays and require charging when you are away.

Type 1 to Type 2 Adaptor



EVAPT1T2

This adaptor is convenient for those older Type 1 public charging stations.

5 Metre Charging Cables



EVCBT2T2



EVCBT2T2-3P



EVCBT2T1

These cables allow for charge at public sites and come in Type 1 or Type 2 configurations.



EVC2KW | EV CHARGERS & ACCESSORIES

2.4KW EV EMERGENCY CHARGER

Charging electric vehicles has never been easier while away, simply plug into a regular mains socket found in the home or garage.

2.4KW
240 VOLT

NEW



KEY FEATURES

ERGONOMIC DESIGN
For comfortable use, with the ability to endure heavy use and caps that prevent water and dirt ingress



LCD SCREEN
Displays charging information so you can monitor the charge and charge status

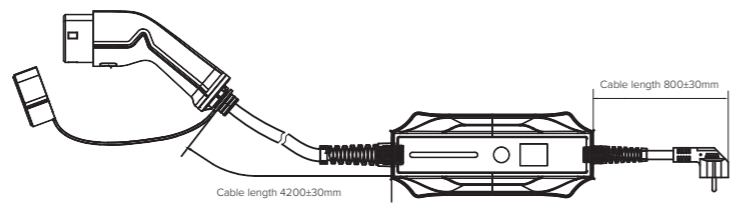


EVA STORAGE CASES
Hard wearing compact heavy duty storage case to store cables and charger safely and securely



SPECIFICATIONS

PART NO.	EVC2KW
PHASE	1
VOLTAGE	240V
CURRENT	10A
MAX POWER	2.4kWh
OVERALL LENGTH	5m
CABLE LENGTH	4.2m
WEIGHT	2.68kg
IP RATING	IP65
IMPACT PROTECTION	IK10
WORKING TEMPERATURE	-25~45°C
WORKING HUMIDITY	5~95%



REPLACEMENT PARTS: **EVBS** EVA Case to suit Single Phase Electric Vehicle Charger



EVCBT2T2 & EVCBT2T2-3P | EV CHARGERS & ACCESSORIES

7.2KW & 22KW EV CHARGING CABLES

Suitable for charging Type 2 vehicle at a Type 2 charging station with single and three phase cables available.

7.2KW OR
22KW
240V OR 400V

NEW



Part No. EVCBT2T2
Suit vehicles up to 7.2KW

NEW



Part No. EVCBT2T2-3P
Suit vehicles up to 11KW / 22KW

KEY FEATURES

DURABLE DESIGN
When connected the cable is dust proof and waterproof to IP65 rating



EVA STORAGE CASES
Hard wearing compact heavy duty storage case to store cables and charger safely and securely



ERGONOMIC DESIGN
Ergonomically designed grips for easy connection to vehicle and charger



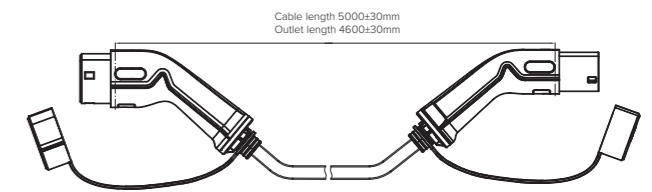
SHOCK PROOF
Designed to IK10 protection. This means your connectors are not going to break easily.



SPECIFICATIONS

PART NO.	EVCBT2T2	EVCBT2T2-3P
PHASE	1	3
VOLTAGE	240V	400V
CURRENT	32A	32A
MAX POWER	7.2kWh	22kWh
OVERALL LENGTH	5m	5m
CABLE LENGTH	4.6m	4.6m
WEIGHT	2.33kg	3.39kg
IP RATING		IP65
IMPACT PROTECTION		IK10
WORKING TEMPERATURE		-25~45°C
WORKING HUMIDITY		5~95%

BATTERY CHARGE TIMES		
30kWh BATTERY	4 hrs	1.5 hrs
60kWh BATTERY	8 hrs	3 hrs
90kWh BATTERY	12 hrs	4.5 hrs



REPLACEMENT PARTS: **EVBR** EVA Case to suit Electric Vehicle Cables



EVCBT2T1 | EV CHARGERS & ACCESSORIES

TYPE 1 EV CHARGING CABLE

Suitable for charging your Type 1 vehicle at a Type 2 charging station. This is a must have for those older Type 1 vehicles.

7.2KW
240 VOLT

NEW



KEY FEATURES

DURABLE DESIGN
When connected the cable is dust proof and waterproof to IP65 rating



EVA STORAGE CASES
Hard wearing compact heavy duty storage case to store cables and charger safely and securely



ERGONOMIC DESIGN
Ergonomically designed grips for easy connection to vehicle and charger



SHOCK PROOF
Designed to 1K10 protection. This means your connectors are not going to break easily.

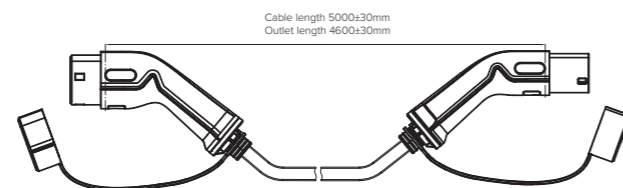


SPECIFICATIONS

PART NO.	EVCBT2T1
PHASE	1
VOLTAGE	240V
CURRENT	32A
MAX POWER	7.2kWh
OVERALL LENGTH	5m
CABLE LENGTH	4.6m
WEIGHT	2.27kg
IP RATING	IP65
IMPACT PROTECTION	IK10
WORKING TEMPERATURE	-30~50°C
WORKING HUMIDITY	5~95%

BATTERY CHARGE TIMES

30kWh BATTERY	4 hrs
60kWh BATTERY	8 hrs
90kWh BATTERY	12 hrs



EVAPT1T2 & EVAPT2T1 | EV CHARGERS & ACCESSORIES

CHARGING ADAPTORS

Be ready to charge at any station with Projecta's convenient adaptors.

EVAPT1T2 TYPE 1 TO TYPE 2 ADAPTOR

For Charging a Type 2 vehicle at a Type 1 charging station



NEW

SPECIFICATIONS

PART NO.	EVAPT1T2
RATED CURRENT	32A Max
RATED VOLTAGE	250V AC
INGRESS PROTECTION	IP23
VOLTAGE WITHSTAND	2000V AC 5S
FLAME-RETARDANT	UL94V-0
WORKING TEMPERATURE	-30°C ~ +50°C

EVAPT2T1 TYPE 2 TO TYPE 1 ADAPTOR

For charging a Type 1 vehicle at a Type 2 charging station



NEW

SPECIFICATIONS

PART NO.	EVAPT2T1
RATED CURRENT	32A Max
RATED VOLTAGE	250V AC
INGRESS PROTECTION	IP65
VOLTAGE WITHSTAND	2000V AC 5S
FLAME-RETARDANT	UL94V-0
CABLE LENGTH	0.3m
WORKING TEMPERATURE	-30°C ~ +50°C



EV CHARGERS & ACCESSORIES

CABLE END COVERS

Assorted replacement covers for Type 1 and Type 2 connectors. Made from a pliable and strong silicone rubber

EVOCT1
TYPE 1 OUTLET COVER

Moulded to suit Type 1 connectors. Creating the perfect seal with the connector to keep dust and water out.



EVICT2
TYPE 2 INLET COVER

Moulded to suit Type 2 inlet connectors. Creating the perfect seal with the connector to keep dust and water out.



EVOCT2
TYPE 2 OUTLET COVER

Moulded to suit Type 2 outlet connectors. Creating the perfect seal with the connector to keep dust and water out.



EV CHARGERS & ACCESSORIES

CABLE END HOLSTERS & WALL HOOKS

Assorted cable end holsters and wall hooks to assist in the storage of your charging cables.

EVEHT1
TYPE 1 EV CABLE END HOLSTER

This durable Type 1 holster is moulded to suit a Type 1 outlet connector, made from engineered plastic with high UV resistance to avoid sun damage. Includes mounting hardware for easy installation.



EVEHT2
TYPE 2 EV CABLE END HOLSTER

This durable Type 2 holster is moulded to suit a Type 2 outlet connector, made from engineered plastic with high UV resistance to avoid sun damage. Includes mounting hardware for easy installation.



EVWHT1
TYPE 1 EV CABLE END HOLSTER

The Type 1 holster and cable hook is made to suit a Type 1 outlet and can be mounted next to a charger. It is made from durable ABS, PC plastics. Includes mounting hardware for easy installation.



EVWHT2
TYPE 2 EV CABLE END HOLSTER

The Type 2 holster and cable hook is made to suit a Type 2 outlet and can be mounted next to a charger. It is made from durable ABS, PC plastics. Includes mounting hardware for easy installation.





SOLAR PANELS & CONTROLLERS

MAINTENANCE 56

Ideal for maintaining batteries during periods of minimal use

SOFT FOLDING 58

Compact and robust monocrystalline solar panel kits that feature a unique frameless foldable design

FIXED 60

Traditional rigid solar panels, utilising monocrystalline solar cell technology for improved efficiency. Ideal for permanent fixture to caravans through to holiday shacks

SEMI FLEXIBLE 64

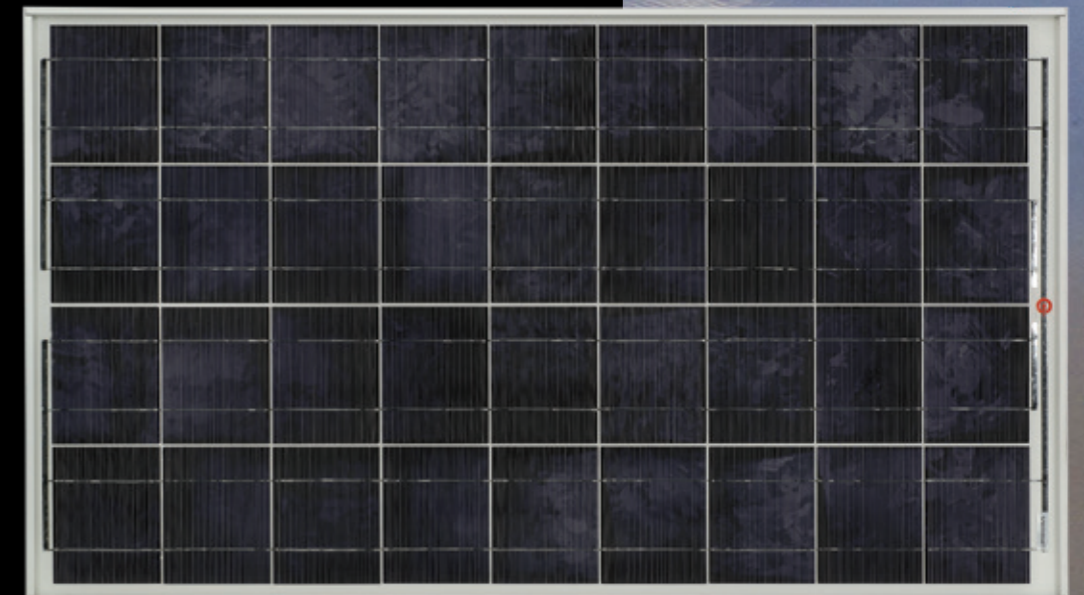
Low profile and flexible, these super efficient monocrystalline solar panels are ideal for permanent fitment to both flat and curved surfaces

SOLAR CONTROLLERS 68

A range of advanced 4 stage controllers that regulate the sun's power to properly charge and maintain a battery

SOLAR ACCESSORIES 82

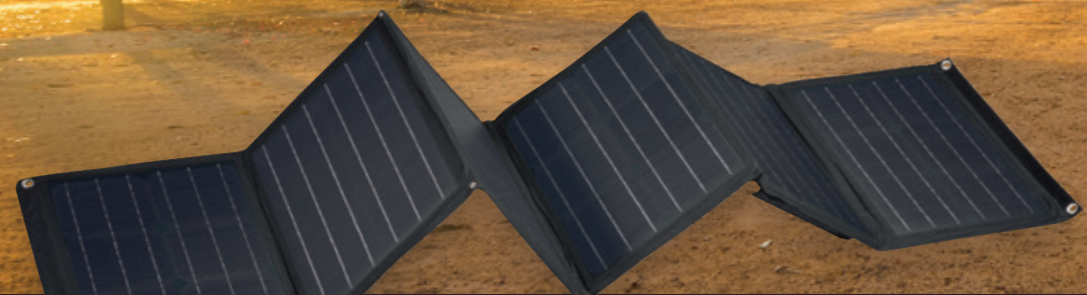
A comprehensive range of solar connectors and accessories



SOLAR RANGE

NO FUEL. NO NOISE. NO NEED TO GO HOME.

Projecta's extensive range of solar panels include two types of technologies, each serving a different purpose and budget. These include the amorphous panels which are more suited to maintenance requirements, and monocrystalline panels which generate greater power more efficiently and are ideal for charging larger batteries.



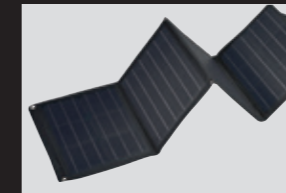
FEATURES & BENEFITS

MAINTENANCE PANELS



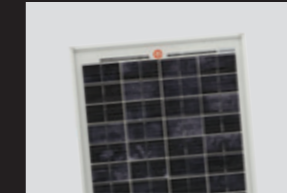
The SPA100, SPA5 & SPA10 solar panels are compact and easy to place in a vehicle to ensure the starter battery is always topped up.

SOFT FOLDING KITS



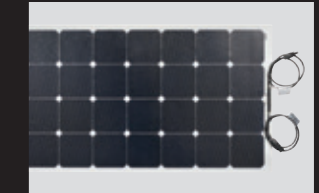
Tough portable solar panel kits featuring a frameless design that folds up into a convenient compact bag. Includes support legs, built-in solar controller and 5m lead with battery clips.

FIXED PANELS



Wide range of fixed panels offer power for small or large energy consuming setups.

SEMI FLEXIBLE PANELS

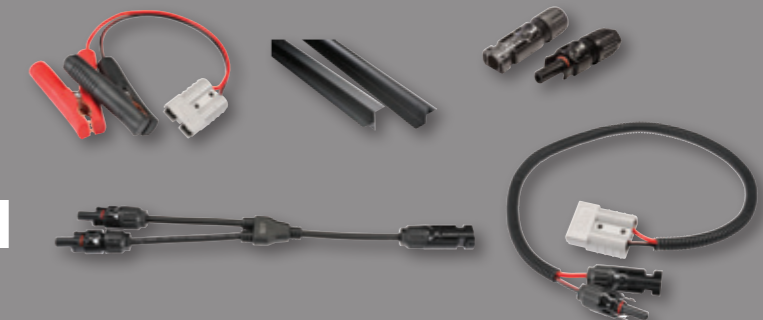


Utilising super efficient monocrystalline technology, these semi flexible panels are ideal for slightly curved surfaces and come with pre-applied adhesive.

DIY SOLAR ACCESSORIES

Projecta offers a comprehensive range of solar accessories including pre-made leads, MC4 Type connectors and durable aluminium mounting rails to allow a professional and easy installation for the DIYer.

TURN TO PAGE 82 FOR THE COMPLETE RANGE.



SELECTING THE CORRECT SIZE SOLAR PANELS

Solar panels can be utilised to extend battery run time when powering multiple accessories. A number of factors that can influence this include: the time of year, weather conditions, battery capacity and how long appliances are run. Below is a guide to help select the correct size panel.

AVERAGE AUSTRALIAN SUN HOURS

STATE CAPITAL	SUMMER (AV.)	WINTER (AV.)	ANNUAL (AV.)
Melb/NZ/Tas	6.6	2.8	4.7
Syd/Perth/Adel	6.5	3.7	5.1
Brisbane	6.3	4.5	5.4

TYPICAL CONSUMPTION LOAD

APPLIANCE	AMP DRAW	HOURS RUN	DAILY CONSUMPTION
1x Fluoro Light	1	5	5
L.E.D Lighting	0.2	5	1
Fridge	1	24	24
TOTAL			30

SOLAR PANEL OUTPUT

WATTS	AMPS
20	1.25
40	2.5
60	3.8
80	5.0
120	7.5
135	8.5
160	10
180	11

Typical example

Below are simple workings to assist with calculating requirements. Refer to the above tables for values:

$$\text{SOLAR PANEL SIZE} = \frac{\text{CONSUMPTION} - (\text{BATTERY CAPACITY} / \text{DAYS AWAY})}{\text{SUNLIGHT HOURS}}$$

Calculated example as follows:

$$4.3 \text{ Amps}^* = \frac{30\text{A/H} - (100 \text{ A/H} / 10 \text{ days})}{4.7 \text{ hours (Melb)}}$$

*Refer Solar Panel Output Chart above for suitable panel size.



SPA100 | AMORPHOUS

12V MAINTENANCE SOLAR PANEL

Longer battery life for infrequently used vehicles. Ensures a vehicle starts even after extended periods without use.

1.5 WATT

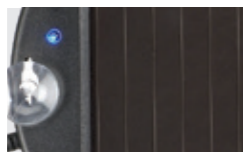


KEY FEATURES

CONNECTION OPTIONS
2.7m of cable and simple connection via 12V cigarette plug or battery clips



L.E.D INDICATOR
Flashing blue L.E.D denotes charging while in-built blocking diode protects against reverse discharge



EFFICIENT PERFORMANCE
Amorphous solar cells use the sun's power to maintain the battery in peak condition, even in low light (cloudy) conditions



SPECIFICATIONS

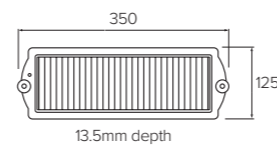
PART NO.	SPA100
TYPE	Amorphous
RATED POWER	1.5W (12V)
SHORT CIRCUIT CURRENT	0.115A
PEAK POWER VOLTAGE	13-15V
PEAK POWER CURRENT	90-100mAh(max)
TEST CONDITIONS	1000W/m ² , 25°C

BATTERY CHARGE TIMES

AUTOMOTIVE	100-550CCA
MARINE	150-600MCA
DEEP CYCLE	7-40Ah
CHARGING TIME	Maintenance

2 YEAR WARRANTY*

*1 year warranty for materials and workmanship and a 2 year warranty for at least 80% output.



SPA5 & SPA10 | MONOCRYSTALLINE

12V MAINTENANCE SOLAR PANELS

Monocrystalline panels provide versatile mounting options and are able to maintain primary or secondary batteries. Ensuring a vehicles batteries are maintained over extended periods without use.

5 WATT
10 WATT

ALL NEW



SPA5



SPA10

KEY FEATURES

SLIM & COMPACT
Slim, flexible and compact panels provide versatile mounting options such as sun visors



HIGH PERFORMANCE
Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a vehicle battery



PLUG & PLAY
Panels are equipped with suction caps, 12V plug and battery clamp adaptor



SPECIFICATIONS

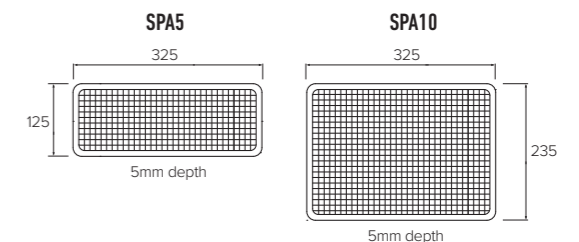
PART NO.	SPA5	SPA10
TYPE	Monocrystalline	
RATED POWER	5W (12V)	10W (12V)
SHORT CIRCUIT CURRENT	0.28A	0.60A
PEAK POWER VOLTAGE	18-23V	
PEAK POWER CURRENT	250-280mAh (max)	400-600mAh (max)
TEST CONDITIONS	1000W/m ² , 25°C	

BATTERY CHARGE TIMES

AUTOMOTIVE	100-550CCA
MARINE	150-600MCA
DEEP CYCLE	7-40Ah
CHARGING TIME	Maintenance

2 YEAR WARRANTY*

*1 year warranty for materials and workmanship and a 2 year warranty for at least 80% output.





SPM120K | MONOCRYSTALLINE

12V SOFT FOLDING SOLAR PANEL KIT

Utilising super efficient monocrystalline technology, these compact, lightweight and powerful kits are ideal for the traveller looking to explore remote locations and extend their stay off the grid. Complete and ready to use, simply unfold and connect to a battery.

120 WATT



NEW & IMPROVED
MORE COMPACT
SAME GREAT POWER!



Includes solar controller

KEY FEATURES

FRAMELESS FOLDABLE DESIGN
Folds up into a durable self contained canvas bag for easy, safe storage



5 METRE CABLE
Fused battery lead makes for trouble free battery connection. Front pocket for easy storage



METAL SUPPORT LEGS
Legs keep the panel at the optimum angle for maximum performance



BUILT-IN SOLAR CONTROLLER
Advanced 4 stage controller maintains batteries in peak condition and protects against overcharging and solar discharge



SCRATCH RESISTANT
Panels feature a scratch resistant matt coating for enhanced durability



SPECIFICATIONS

PART NO.	SPM120K
TYPE	Monocrystalline
RATED POWER	120W (12V)
OPEN CIRCUIT VOLTAGE	21V
SHORT CIRCUIT CURRENT	7.52A
PEAK POWER VOLTAGE	17.5V
PEAK POWER CURRENT	6.86A
TEST CONDITIONS	1000W/m ² , 25°C
SOLAR CONTROLLER RATING	10A

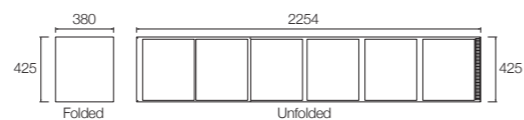
BATTERY CHARGE TIMES

AUTOMOTIVE	250-1200CCA
MARINE	250-1500MCA
DEEP CYCLE	40-200Ah
CHARGING TIME	7-35 hours

DIMENSIONS (mm)			
Folded:	440	370	60
Unfolded:	440	2250	40
WEIGHT	7kg		

5 YEAR WARRANTY*

* 2 year warranty for materials and workmanship and a 5 year warranty for at least 80% output.



REPLACEMENT PARTS:
SPMLEG Metal Support Leg SPM120POL Collapsible Support Pole

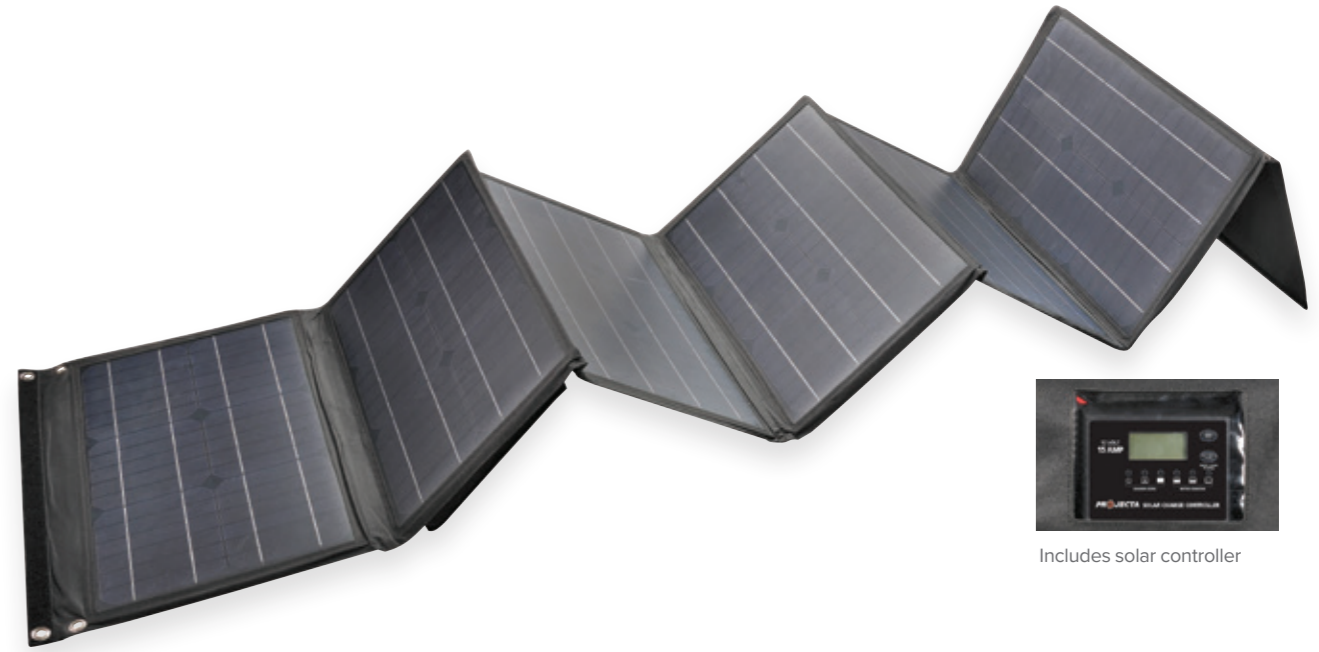


SPM180K | MONOCRYSTALLINE

12V SOFT FOLDING SOLAR PANEL KIT

The largest of the folding kits, this 180 Watt panel can produce upwards of 11 Ah in ideal conditions, producing ample power to charge a 4WD, camper trailer or caravan batteries whilst away from conventional power.

180 WATT



Includes solar controller

KEY FEATURES

FRAMELESS FOLDABLE DESIGN
Folds up into a durable self contained canvas bag for easy, safe storage



5 METRE CABLE
Fused battery lead makes for trouble free battery connection. Front pocket for easy storage



METAL SUPPORT LEGS
Legs keep the panel at the optimum angle for maximum performance



BUILT-IN SOLAR CONTROLLER
Advanced 4 stage controller maintains batteries in peak condition and protects against overcharging and solar discharge



SCRATCH RESISTANT
Panels feature a scratch resistant matt coating for enhanced durability



SPECIFICATIONS

PART NO.	SPM180K
TYPE	Monocrystalline
RATED POWER	180W (12V)
OPEN CIRCUIT VOLTAGE	21V
SHORT CIRCUIT CURRENT	11.0A
PEAK POWER VOLTAGE	18.0V
PEAK POWER CURRENT	10.3A
TEST CONDITIONS	1000W/m ² , 25°C
SOLAR CONTROLLER RATING	10A

BATTERY CHARGE TIMES

AUTOMOTIVE	250-1800CCA
MARINE	250-2300MCA
DEEP CYCLE	40-300Ah
CHARGING TIME	7-35 hours

DIMENSIONS (mm)			
Folded:	560	380	90
Unfolded:	560	2580	45
WEIGHT	8.3kg		

5 YEAR WARRANTY*

* 2 year warranty for materials and workmanship and a 5 year warranty for at least 80% output.



REPLACEMENT PARTS:
SPM180LEG Metal Support Leg SPM180POL Collapsible Support Pole



SPM25 & SPM50 | MONOCRYSTALLINE

12V FIXED SOLAR PANELS

The ideal panel sizes to charge and maintain infrequently used batteries where 240V power is not easily accessible.

25 WATT
50 WATT



SPM25



SPM50

— NOW —
MONOCRYSTALLINE

KEY FEATURES

SEALED JUNCTION BOX
Protects against external elements and includes connection terminals



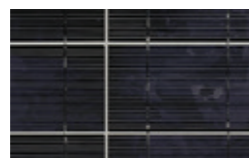
TEMPERED LOW IRON GLASS
Provides better impact resistance and improved light transmission



HEAVY DUTY FRAME
Superior strength and durability



HIGH PERFORMANCE
Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery



SPECIFICATIONS

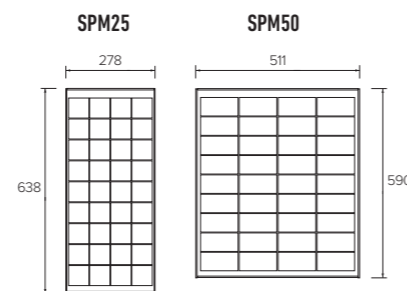
PART NO.	SPM25	SPM50
TYPE	Monocrystalline	
RATED POWER	25W (12V)	50W (12V)
OPEN CIRCUIT VOLTAGE	21V	
SHORT CIRCUIT CURRENT	1.56A	3.13A
PEAK POWER VOLTAGE	17.5V	
PEAK POWER CURRENT	1.43A	2.86A
TEST CONDITIONS	1000W/m ² , 25°C	

BATTERY CHARGE TIMES

	SPM25	SPM50
AUTOMOTIVE	200–500CCA	250–750CCA
MARINE	250–550MCA	250–800MCA
DEEP CYCLE	20–50Ah	20–70Ah
CHARGING TIME	Maintenance	10–30 hours

20
YEAR WARRANTY*

*1 year warranty for materials and workmanship and a 20 year warranty for at least 80% output.



All panels: 25mm depth

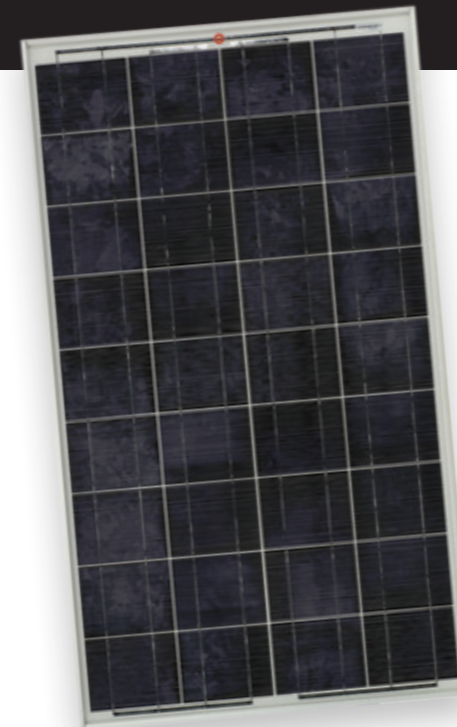


SPM80 & SPM95 | MONOCRYSTALLINE

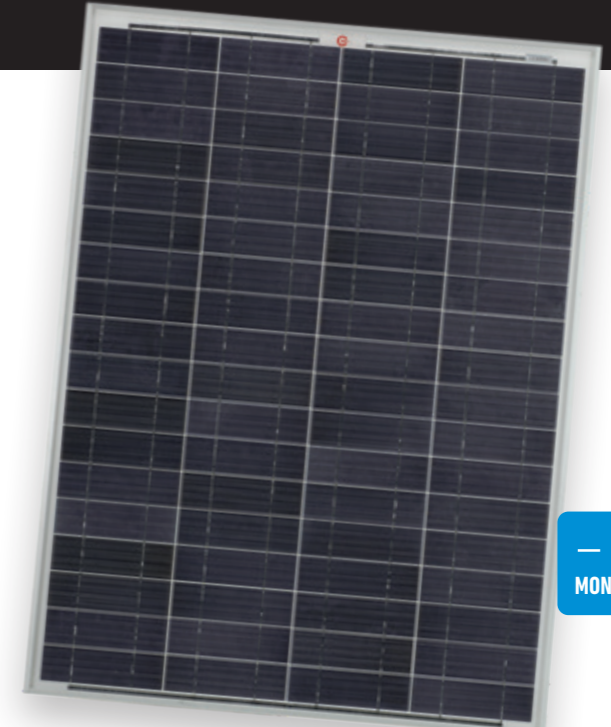
12V FIXED SOLAR PANELS

These panels are ideal for charging large batteries and extending battery run time, suiting leisure vehicles and travelling.

80 WATT
95 WATT



SPM80



SPM95

— NOW —
MONOCRYSTALLINE

KEY FEATURES

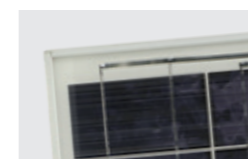
SEALED JUNCTION BOX
Protects against external elements and includes connection terminals



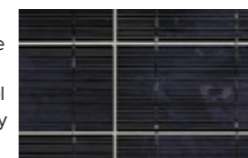
TEMPERED LOW IRON GLASS
Provides better impact resistance and improved light transmission



HEAVY DUTY FRAME
Superior strength and durability



HIGH PERFORMANCE
Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery



SPECIFICATIONS

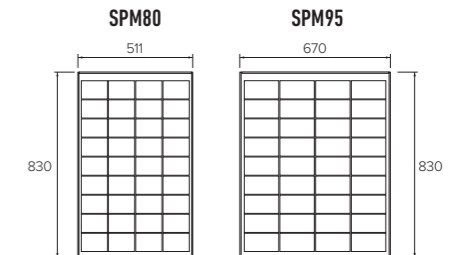
PART NO.	SPM80	SPM95
TYPE	Monocrystalline	
RATED POWER	80W (12V)	95W (12V)
OPEN CIRCUIT VOLTAGE	21V	
SHORT CIRCUIT CURRENT	5.00A	5.94A
PEAK POWER VOLTAGE	17.5V	
PEAK POWER CURRENT	4.57A	5.43A
TEST CONDITIONS	1000W/m ² , 25°C	

BATTERY CHARGE TIMES

	SPM80	SPM95
AUTOMOTIVE	200–650CCA	250–900CCA
MARINE	300–700MCA	350–1000MCA
DEEP CYCLE	20–100Ah	30–140Ah
CHARGING TIME	7–35 hours	7–35 hours

20
YEAR WARRANTY*

*1 year warranty for materials and workmanship and a 20 year warranty for at least 80% output.



All panels: 35mm depth



SPM155-MC4 & SPM170-MC4 | MONOCRYSTALLINE

12V FIXED SOLAR PANELS WITH MC4 TYPE CONNECTORS

Made for permanent mounting these panels are ideal for caravans, motor homes, house boats, remote holiday shacks and farming applications where power is required to charge battery banks servicing multiple or larger appliances.

155 WATT
170 WATT



SPM155-MC4



SPM170-MC4

— NOW —
MONOCRYSTALLINE

KEY FEATURES

MC4 TYPE CONNECTOR

Standardised MC4 type connector fitted for ease of installation where MC4 type connectors are used



TEMPERED LOW IRON GLASS

Provides better impact resistance and improved light transmission



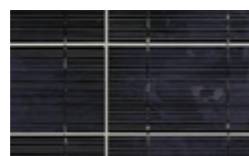
HEAVY DUTY FRAME

Superior strength and durability



HIGH PERFORMANCE

Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery

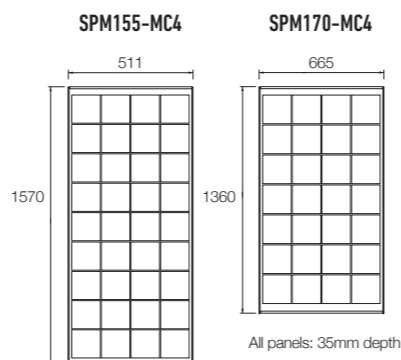


SPECIFICATIONS

PART NO.	SPM155-MC4	SPM170-MC4
TYPE	Monocrystalline	
RATED POWER	155W (12V)	170W (12V)
OPEN CIRCUIT VOLTAGE	21V	
SHORT CIRCUIT CURRENT	9.69A	10.63A
PEAK POWER VOLTAGE	17.5V	17.5V
PEAK POWER CURRENT	8.86A	9.71A
TEST CONDITIONS	1000W/m ² , 25°C	
BATTERY CHARGE TIMES		
AUTOMOTIVE	250-1200CCA	300-1300CCA
MARINE	350-1500MCA	400-2000MCA
DEEP CYCLE	40-200Ah	50-240Ah
CHARGING TIME	7-35 hours	7-35 hours

20
YEAR
WARRANTY*

*1 year warranty for materials and workmanship and a 20 year warranty for at least 80% output.



MC4 TYPE CONNECTOR PLUGS

MC4-2

Single pin waterproof positive and negative connectors with terminals and seals.



SPM200-MC4 | MONOCRYSTALLINE

12V FIXED SOLAR PANEL WITH MC4 TYPE CONNECTORS

Made for permanent mounting these panels are ideal for caravans, motor homes, house boats, remote holiday shacks and farming applications where power is required to charge battery banks servicing multiple or larger appliances.

200 WATT



SPM200-MC4

— NOW —
MONOCRYSTALLINE

KEY FEATURES

MC4 TYPE CONNECTOR

Standardised MC4 type connector fitted for ease of installation where MC4 type connectors are used



TEMPERED LOW IRON GLASS

Provides better impact resistance and improved light transmission



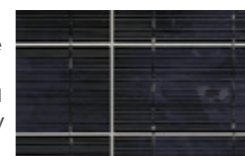
HEAVY DUTY FRAME

Superior strength and durability



HIGH PERFORMANCE

Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery

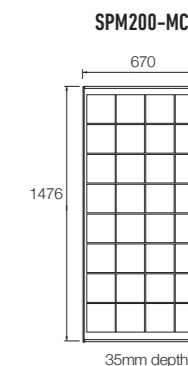


SPECIFICATIONS

PART NO.	SPM200-MC4
TYPE	Monocrystalline
RATED POWER	200W (12V)
OPEN CIRCUIT VOLTAGE	23.2V
SHORT CIRCUIT CURRENT	11.27A
PEAK POWER VOLTAGE	19.6V
PEAK POWER CURRENT	10.20A
TEST CONDITIONS	1000W/m ² , 25°C
BATTERY CHARGE TIMES	
AUTOMOTIVE	600-2000CCA
MARINE	750-2500MCA
DEEP CYCLE	75-340Ah
CHARGING TIME	7-35 hours

20
YEAR
WARRANTY*

*1 year warranty for materials and workmanship and a 20 year warranty for at least 80% output.



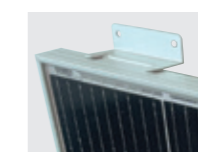
MC4 TYPE CONNECTOR PLUGS

MC4-2

Single pin waterproof positive and negative connectors with terminals and seals.



Bracket Version also available Part No. SPM200-BKT





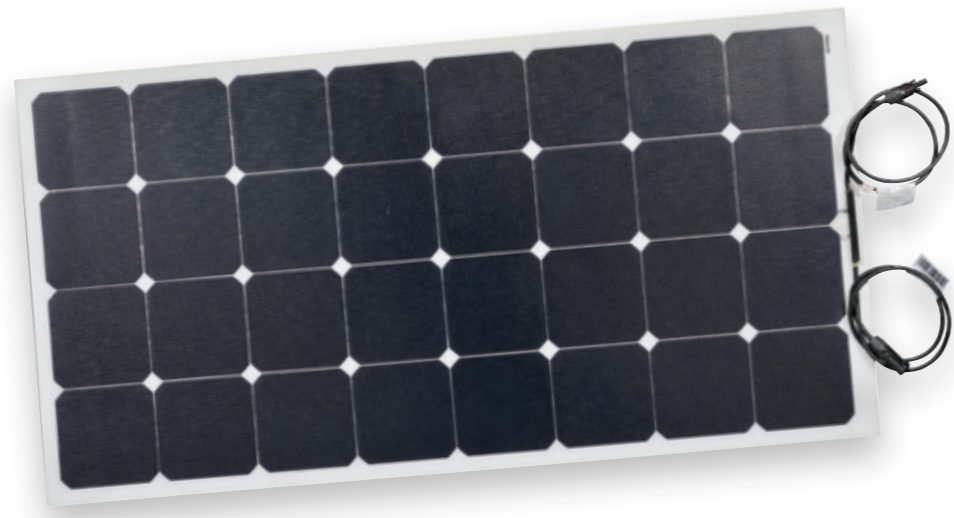
SPF100-MC4 | MONOCRYSTALLINE

SEMI FLEXIBLE SOLAR PANEL

Made for permanent mounting on surfaces that have a slight contour or curve. It will suit applications such as canopies or trailers with battery banks servicing small to medium electrical appliances.

100 WATT

NEW



KEY FEATURES

LIGHTWEIGHT & FLEXIBLE
The panels weigh as little as 2kgs, being flexible also gives greater mounting options



PRE-APPLIED ADHESIVE
The panels come supplied with a super tough adhesive allowing users to mount them with confidence



MC4 TYPE CONNECTOR
Standardised MC4 type connector fitted for ease of installation where MC4 type connectors are used with 900mm leads



HIGH PERFORMANCE
Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery



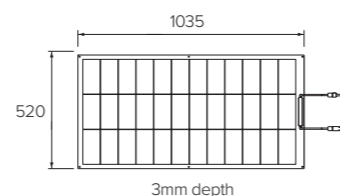
SPECIFICATIONS

PART NO.	SPF100-MC4
TYPE	Monocrystalline
RATED POWER	100W (12V)
OPEN CIRCUIT VOLTAGE	24.5V
SHORT CIRCUIT CURRENT	4.9A
PEAK POWER VOLTAGE	20.9V
PEAK POWER CURRENT	4.7A
MAXIMUM BENDING RADIUS	400mm
TEST CONDITIONS	1000W/m ² 25°C
WEIGHT	2.0kg

BATTERY CHARGE TIMES

AUTOMOTIVE	250-900CCA
MARINE	350-1000MCA
DEEP CYCLE	30-140Ah
CHARGING TIME	7-35 hours

2 YEAR WARRANTY



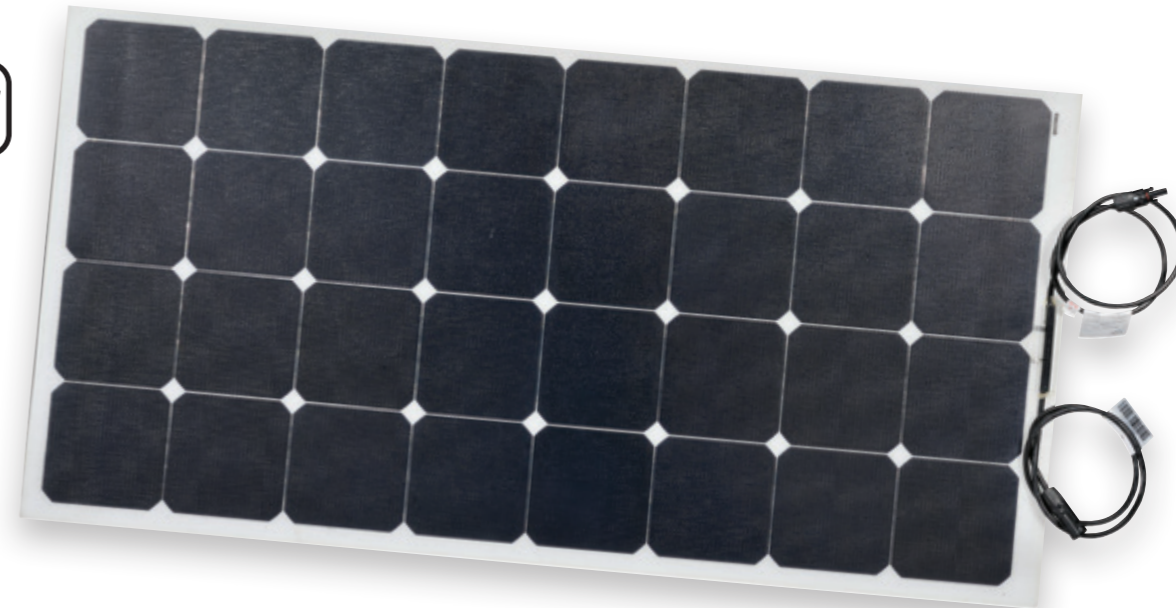
SPF180-MC4 | MONOCRYSTALLINE

SEMI FLEXIBLE SOLAR PANEL

Made for permanent mounting on surfaces that have a slight contour or curve. It will suit applications where power is required to charge battery banks servicing multiple or large appliances

180 WATT

NEW



KEY FEATURES

LIGHTWEIGHT & FLEXIBLE
The panels weigh as little as 2kgs, being flexible also gives greater mounting options



PRE-APPLIED ADHESIVE
The panels come supplied with a super tough adhesive allowing users to mount them with confidence



MC4 TYPE CONNECTOR
Standardised MC4 type connector fitted for ease of installation where MC4 type connectors are used with 900mm leads



HIGH PERFORMANCE
Super efficient monocrystalline technology produces more power via a smaller sized panel to effectively maintain a battery



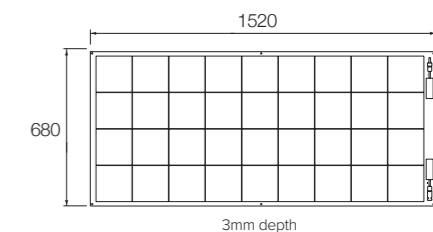
SPECIFICATIONS

PART NO.	SPF180-MC4
TYPE	Monocrystalline
RATED POWER	180W (12V)
OPEN CIRCUIT VOLTAGE	24.1V
SHORT CIRCUIT CURRENT	9.2A
PEAK POWER VOLTAGE	20.5V
PEAK POWER CURRENT	8.8A
MAXIMUM BENDING RADIUS	400mm
TEST CONDITIONS	1000W/m ² 25°C
WEIGHT	3.5kg

BATTERY CHARGE TIMES

AUTOMOTIVE	300-1300CCA
MARINE	400-2000MCA
DEEP CYCLE	50-240Ah
CHARGING TIME	7-35 hours

2 YEAR WARRANTY





WHY MONO VS POLY?

What are Poly & Mono Solar Panels and what are the differences between them?

Polycrystalline, often referred to as Poly, is referring to the solar cell type. Polycrystalline cells are made from a wide array of silicone fragments melted together to form the wafers for the solar cells.

Monocrystalline, often referred to as Mono, is also referring to the solar cell type. Monocrystalline cells are made from a single-crystal silicone melted together to form into bars and cut into the wafers to form solar cells.

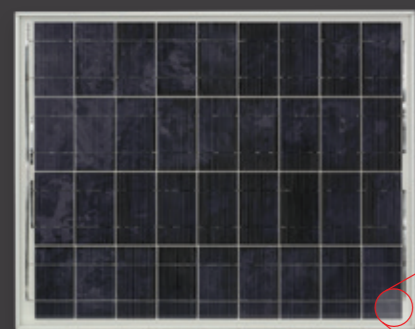
Monocrystalline solar panels are more efficient due to their cell construction. Due to the single-crystal silicone construction, the cells allow electrons generated by the sun's power to move more efficiently through the cells which in turn allows more power to be generated.



SOLAR CELL TYPES

MONO

To make cells for monocrystalline panels silicone is formed into bars and cut into wafers. They are more expensive but more efficient.



POLY

To make cells for polycrystalline panels fragments of silicone are melted to form the wafers. They are less expensive but less efficient.



SOLAR CONTROLLERS

WHY MPPT OVER PWM?

To understand why MPPT solar controllers are more efficient than PWM solar controllers, we first need to understand what the two control methods are.

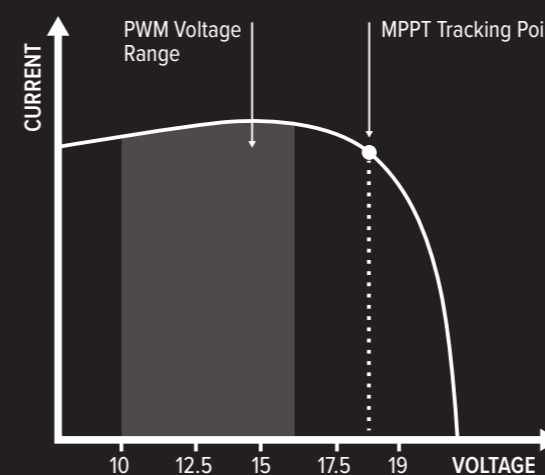
PWM stands for Pulse Width Modulation. PWM controllers method of charging is rather basic; it behaves as a quick on/off switch to maintain a desired voltage to charge batteries from a solar input.

MPPT stands for Maximum Power Point Tracking. MPPT controllers method is more sophisticated; the controller will monitor various inputs from solar panels and it will constantly measure the voltage and amperage to find the best balance to produce the most power.

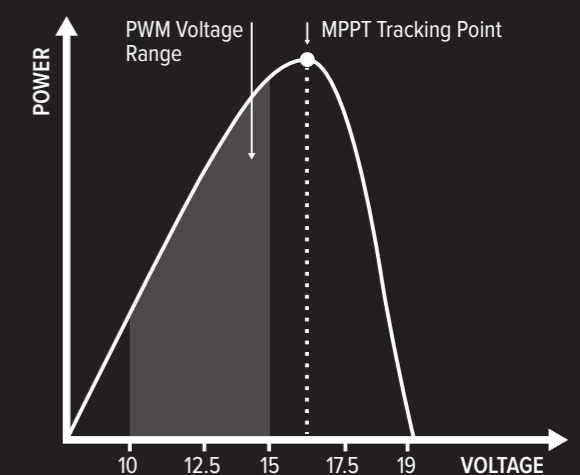
Now that we understand the difference between PWM and MPPT solar controllers, we can dive into why a MPPT solar controller is a better choice in harnessing the most power out of a solar setup.

MPPT controllers typically have a 30% charge efficiency advantage over PWM type controllers. PWM controllers are best suited to setups with solar power output greater than the charging amperage required. MPPT controllers are suited to larger panels that provide power to large appliances and batteries. The MPPT controller takes into account temperature, voltage and amperage to provide the optimal power output, additionally MPPT controllers have greater flexibility with the input voltages of panels.

MAXIMUM POWER POINT TRACKING (MPPT)



PULSE WIDTH MODULATION (PWM)



SOLAR CONTROLLERS

TAKING CHARGE OF THE SUN.

Solar panels capture the sunlight converting it to useable electric power, however without a solar controller to regulate this power it will ultimately damage batteries through excessive charge and even discharge at night. Projecta offers an extensive range of automatic solar charge controllers to suit a wide range of solar applications, all with varying amperage ratings. Each of the controllers can be left connected indefinitely to the battery keeping it fully charged, monitoring its condition and performing a process called 'float' charge to keep batteries in optimum condition, ultimately ensuring longer life.



EVERYDAY RANGE

SMART RANGE



PREMIUM RV RANGE

MPPT RANGE

FEATURES & BENEFITS

EVERYDAY CONTROLLERS



Simple yet intelligent solar charge controllers that utilise a smart 4 stage charging algorithm to ensure a thorough and comprehensive charge. Ideal for managing both automotive and deep cycle batteries thanks to their multi-chemistry functionality.

SMART CONTROLLERS



Suitable for both 12 and 24 Volt systems they also offer low voltage disconnect (LVD) functionality ensuring connected batteries never deplete to damaging levels. Further to this, they offer a 'load control' function, enabling on/off control of appliances directly from the unit.

PREMIUM RV CONTROLLERS



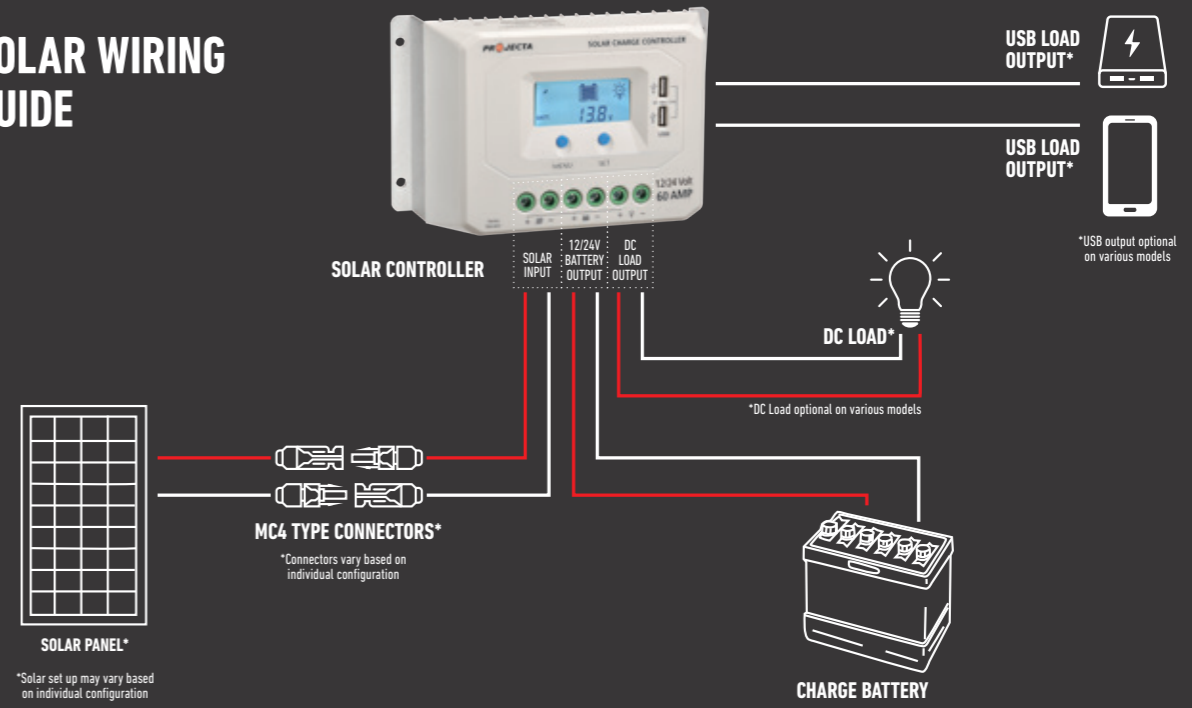
Featuring sophisticated 4 stage charging and all the features of the smart controller range, they step it up a level with the inclusion of an intelligent remote control unit that enables complete user control via total customisation of the charge settings.

MPPT CONTROLLERS



MPPT solar controllers are ideal for RV fitment. Featuring advanced multi-chemistry charging to ensure all battery types are catered for. MPPT controllers ensure solar panels achieve their full capability via sophisticated programming in adjusting voltage & current to provide maximum output.

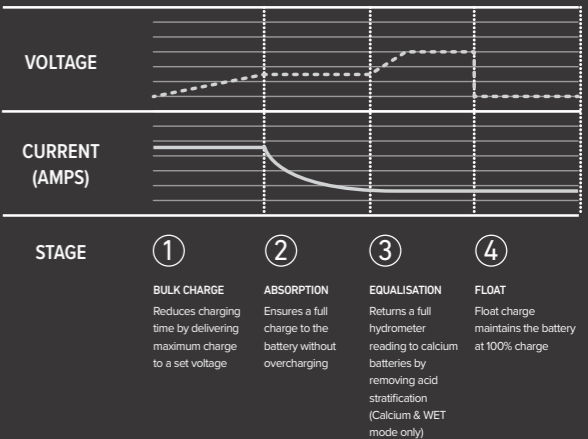
SOLAR WIRING GUIDE



WHY MULTI-STAGE CHARGE CONTROLLERS?

A solar panel charge controller in basic terms works no differently to maintaining batteries via a battery charger from 240 volts, the obvious advantages however are that this can be done whilst off the grid which is perfect for the avid traveller who enjoys remote locations. Perhaps one of the more important features to take note of is the multi-stage charging function on offer. All Projecta solar controllers utilise a sophisticated 4 stage charging algorithm offering unparalleled charging performance ultimately extending daily performance and overall battery life – a feature worth noting when factoring in the cost of today's expensive deep cycle batteries.

The table to the right details the 4 stages of the charging process.





SC008 | EVERYDAY CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

Safe to leave permanently connected, these compact solar controllers feature advanced 4 stage charging making them ideal for both starting and deep cycle batteries.

8 AMP
12 VOLT



KEY FEATURES

L.E.D CHARGE INDICATOR
Displays quick reference to charge status of the battery



SEALED ELECTRONICS
Potted circuit board and plated terminals protect controller from the elements



EASE OF CONNECTION
Plated screw termination and quick reference label

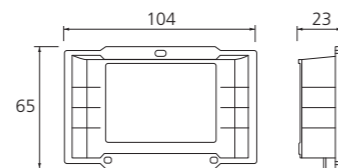


MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM or Gel



SPECIFICATIONS

PART NO.	SC008			
INPUT	12V			
MAX INPUT	25Vdc, 8A			
MAX CHARGE	8A			
MAX PANEL SIZE	96W (12V)			
BATTERY	12V			
CHARGE CONTROL	4 Stage Charging		12V	
	Bulk:		14.0V	
		Absorption:	Gel:	14.1V
			AGM:	14.4V
			Wet:	14.7V
			Calcium:	14.9V
	Equalisation:		15.5V	
	Float:		13.6V	
APPROVAL	EMC			
IP RATING	IP65			



SC015 | EVERYDAY CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

A compact controller suitable for solar panels producing up to 15 Amps. Utilising an advanced 4 stage charging profile, this controller ensures both starting and deep cycle batteries are kept in peak condition.

15 AMP
12 VOLT



KEY FEATURES

L.E.D CHARGE INDICATOR
Displays quick reference to charge status of the battery



SEALED ELECTRONICS
Potted circuit board and plated terminals protect controller from the elements



EASE OF CONNECTION
Plated screw termination and quick reference label

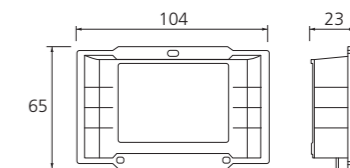


MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM or Gel



SPECIFICATIONS

PART NO.	SC015			
INPUT	12V			
MAX INPUT	25Vdc, 15A			
MAX CHARGE	15A			
MAX PANEL SIZE	180W (12V)			
BATTERY	12V			
CHARGE CONTROL	4 Stage Charging		12V	
	Bulk:		14.0V	
		Absorption:	Gel:	14.1V
			AGM:	14.4V
			Wet:	14.7V
			Calcium:	14.9V
	Equalisation:		15.5V	
	Float:		13.6V	
APPROVAL	EMC			
IP RATING	IP65			





SC110 | EVERYDAY PLUS CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

Packed with features, this sophisticated solar controller is ideal for panels capable of producing up to 10 Amps. Delivering a comprehensive 4 stage charging process and the ability to tailor its settings to best suit the selected battery type.

10 AMP
12 VOLT



LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

DIGITAL LCD SCREEN

Displays battery voltage, charging current, charging capacity, fault codes and more



L.E.D CHARGE INDICATOR

Displays quick reference to charge status and battery condition



MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, Calcium, AGM, Gel or Lithium



EASE OF CONNECTION

Plated screw termination and quick reference label



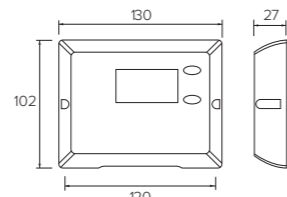
TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



SPECIFICATIONS

PART NO.	SC110	
INPUT	12V	
MAX INPUT	25Vdc, 10A	
MAX CHARGE	10A	
MAX PANEL SIZE	120W (12V)	
BATTERY	12V	
CHARGE CONTROL	4 Stage Charging	12V
	Bulk:	10.0-14.0V
	Absorption:	Gel: 14.1V
		AGM: 14.4V
		Wet: 14.7V
		Calcium: 14.9V
		Lithium 14.4V
	Equalisation:	15.5V
	Float:	13.6V
APPROVAL	EMC	
IP RATING	IP22	



Optional Accessories: **SC1TMP** External temperature sensor probe



SC220 | SMART CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

Ideally suited to solar panels producing up to 20 Amps, the SC220 is a sophisticated solar controller that delivers a comprehensive 4 stage charging process and the ability to tailor its settings to best suit the selected battery type.

20 AMP
12 / 24 VOLT



KEY FEATURES

DIGITAL LCD SCREEN

Displays battery voltage, charging current, charging capacity, fault codes and more



DUAL USB PORTS

5V 2.4A USB ports for powering direct from controller



MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or user settings



LOW VOLTAGE DISCONNECT

Set the disconnect voltage point to best suit application, protecting batteries from over discharge



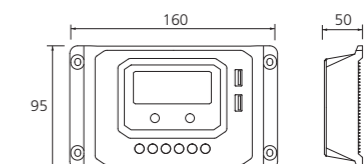
TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



SPECIFICATIONS

PART NO.	SC220		
INPUT	12V or 24V		
MAX INPUT	50Vdc, 20A		
MAX CHARGE/LOAD	20A		
MAX PANEL SIZE	240W (12V)		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
	Bulk/		
	Absorption	Gel: 14.2V	28.4V
		AGM: 14.4V	28.8V
		Wet: 14.7V	29.4V
	Equalisation:	Gel: -	-
		AGM: 14.6V	29.2V
		Wet: 14.8V	29.6V
	Float:	13.8V	27.6V
NEGATIVE SWITCHING	Yes		
LVD DISCONNECT	12V: Default 11.1V	User Set 9-17V	
	24V: Default 22.2V	User Set 18-34V	
LVD RECONNECT	12V: Default 12.6V	User Set 9-17V	
	24V: Default 25.2V	User Set 18-34V	
APPROVAL	EMC		
IP RATING	IP22		



Optional Accessories: **SC3TMP** External temperature sensor probe



SC245 | SMART CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

Ideal for larger deep cycle battery banks often found in motor homes, houseboats and remote shacks. This sophisticated controller boasts a host of intelligent features enabling the user to customise the charge settings to maximise battery life and performance.

45 AMP
12 / 24 VOLT



SC260 | SMART CONTROLLER

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER

Ideal for larger deep cycle battery banks often found in motor homes, house boats and remote shacks. This sophisticated controller boasts a host of intelligent features enabling the user to customise the charge settings to maximise battery life and performance.

60 AMP
12 / 24 VOLT



KEY FEATURES

DIGITAL LCD SCREEN

Displays battery voltage, charging current, charging capacity, fault codes and more



DUAL USB PORTS

5V 2.4A USB ports for powering direct from controller



MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or user settings



LOW VOLTAGE DISCONNECT

Set the disconnect voltage point to best suit application, protecting batteries from over discharge



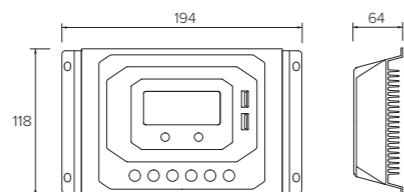
TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



SPECIFICATIONS

PART NO.	SC245		
INPUT	12V or 24V		
MAX INPUT	50Vdc, 45A		
MAX CHARGE/LOAD	45A		
MAX PANEL SIZE	540W (12V)		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
		Bulk/	
		Absorption	Gel: 14.2V 28.4V
			AGM: 14.4V 28.8V
			Wet: 14.7V 29.4V
		Equalisation:	Gel: - -
	AGM: 14.6V 29.2V		
	Wet: 14.8V 29.6V		
Float:	13.8V 27.6V		
NEGATIVE SWITCHING	Yes		
LVD DISCONNECT	12V: Default 11.1V	User Set 9-17V	
	24V: Default 22.2V	User Set 18-34V	
LVD RECONNECT	12V: Default 12.6V	User Set 9-17V	
	24V: Default 25.2V	User Set 18-34V	
APPROVAL	EMC		
IP RATING	IP22		



KEY FEATURES

DIGITAL LCD SCREEN

Displays battery voltage, charging current, charging capacity, fault codes and more



DUAL USB PORTS

5V 2.4A USB ports for powering direct from controller



MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or user settings



LOW VOLTAGE DISCONNECT

Set the disconnect voltage point to best suit application, protecting batteries from over discharge



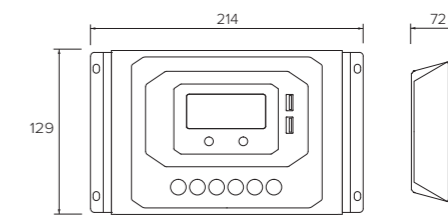
TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



SPECIFICATIONS

PART NO.	SC260		
INPUT	12V or 24V		
MAX INPUT	50Vdc, 60A		
MAX CHARGE/LOAD	60A		
MAX PANEL SIZE	720W (12V)		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
		Bulk/	
		Absorption	Gel: 14.2V 28.4V
			AGM: 14.4V 28.8V
			Wet: 14.7V 29.4V
		Equalisation:	Gel: - -
	AGM: 14.6V 29.2V		
	Wet: 14.8V 29.6V		
Float:	13.8V 27.6V		
NEGATIVE SWITCHING	Yes		
LVD DISCONNECT	12V: Default 11.1V	User Set 9-17V	
	24V: Default 22.2V	User Set 18-34V	
LVD RECONNECT	12V: Default 12.6V	User Set 9-17V	
	24V: Default 25.2V	User Set 18-34V	
APPROVAL	EMC		
IP RATING	IP22		



Optional Accessories:
SC3TMP External temperature sensor probe

Optional Accessories:
SC3TMP External temperature sensor probe



SC320D | PREMIUM RV

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER WITH REMOTE CONTROL

The ideal controller to suit panels producing up to 20A, often found in caravans. The sophisticated remote control provides total user control and advanced operation and allows the user to set a tailored charging profile and monitor battery and charging status.

20 AMP
12 / 24 VOLT



KEY FEATURES

MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or user settings



L.E.D STATUS INDICATORS

Displays quick reference to charge and battery status



MANUAL LOAD CONTROL

Allows user to switch the DC load on/off from the controller itself



TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



LOW VOLTAGE DISCONNECT

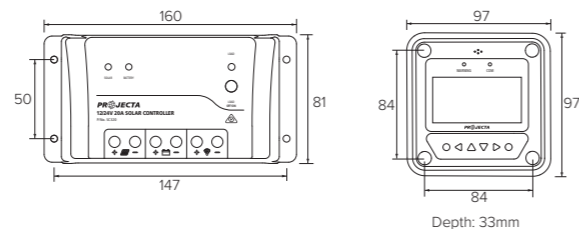
Set the disconnect voltage point to best suit required application, protecting batteries from over discharge



Optional Accessories:
SC3TMP External temperature sensor probe
Replacement Parts:
SC320 Solar Charge Controller only
SC300D Remote Control only

SPECIFICATIONS

PART NO.	SC320D		
INPUT	12V or 24V		
MAX INPUT	50Vdc, 20A		
MAX CHARGE/LOAD	20A		
MAX PANEL SIZE	240W (12V)		
LOAD SWITCHING	Negative		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
	Bulk/		
	Absorption	Gel: 14.2V	28.4V
		AGM: 14.4V	28.8V
		Wet: 14.6V	29.2V
Equalisation:	Gel:	-	-
	AGM:	14.6V	29.2V
	Wet:	14.8V	29.6V
	Float:	13.8V	27.6V
LVD DISCONNECT	12V: Default 11.1V	User Set 9-17V	
	24V: Default 22.2V	User Set 18-34V	
LVD RECONNECT	12V: Default 12.6V	User Set 9-17V	
	24V: Default 25.2V	User Set 18-34V	
STANDBY CURRENT	23.4mA		
APPROVAL	EMC		



SC330D | PREMIUM RV

4 STAGE AUTOMATIC SOLAR CHARGE CONTROLLER WITH REMOTE CONTROL

The ideal controller to suit the demands of larger power requirements often found in motor homes, house boats or remote shacks. The sophisticated remote control provides complete control, allowing the user to set a tailored charging profile and monitor battery and charging status.

30 AMP
12 / 24 VOLT



KEY FEATURES

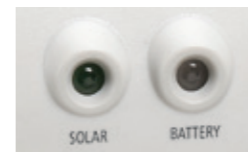
MULTI-CHEMISTRY

Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or user settings



L.E.D STATUS INDICATORS

Displays quick reference to charge and battery status



MANUAL LOAD CONTROL

Allows user to switch the DC load on/off from the controller itself



TEMPERATURE SENSOR

Built-in sensor enables unit to optimise charge performance and offer additional protection. Optional sensor probe also available



LOW VOLTAGE DISCONNECT

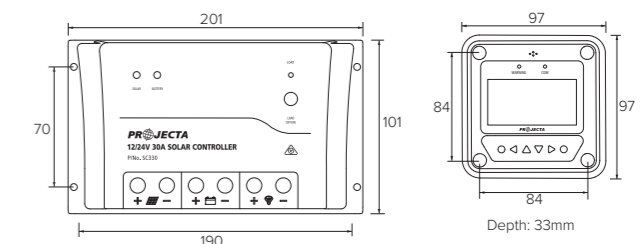
Set the disconnect voltage point to best suit required application, protecting batteries from over discharge



Optional Accessories:
SC3TMP External temperature sensor probe
Replacement Parts:
SC330 Solar Charge Controller only
SC300D Remote Control only

SPECIFICATIONS

PART NO.	SC330D		
INPUT	12V or 24V		
MAX INPUT	50Vdc, 30A		
MAX CHARGE/LOAD	30A		
MAX PANEL SIZE	360W (12V)		
LOAD SWITCHING	Negative		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
	Bulk/		
	Absorption	Gel: 14.2V	28.4V
		AGM: 14.4V	28.8V
		Wet: 14.6V	29.2V
Equalisation:	Gel:	-	-
	AGM:	14.6V	29.2V
	Wet:	14.8V	29.6V
	Float:	13.8V	27.6V
LVD DISCONNECT	12V: Default 11.1V	User Set 9-17V	
	24V: Default 22.2V	User Set 18-34V	
LVD RECONNECT	12V: Default 12.6V	User Set 9-17V	
	24V: Default 25.2V	User Set 18-34V	
STANDBY CURRENT	23.4mA		
APPROVAL	EMC		





SC420 | PREMIUM RV

MPPT AUTOMATIC SOLAR CHARGE CONTROLLERS

The ideal controllers to make the most out of solar panels. Ideally suited to caravans and RVs, these sophisticated MPPT solar controllers ensure a solar system is delivering the optimal power to meet a wide range of power demands.

20 AMP
12 / 24 VOLT

NEW



LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

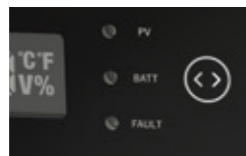
MULTI-CHEMISTRY

Set the charge profile to suit battery types; Wet, AGM, GEL or Lithium



SLEEK DESIGN

Touch screen buttons and bright screen ensures the controller looks great no matter where it's placed



SOLAR CONTROLLER

98.2% efficient MPPT (Maximum Power Point Tracking) solar controller maximizes the sun's radiation and converts it to power



TEMPERATURE SENSOR

Plug-in sensor enables unit to optimise charge performance and offer additional protection



PREMIUM QUALITY

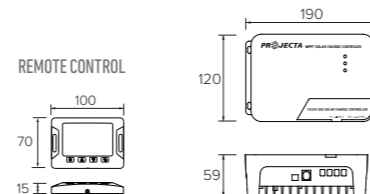
Tempered glass cover with housing made from cast aluminium providing premium feel with silent operation



SPECIFICATIONS

PART NO.	SC420		
INPUT	12V or 24V		
MAX INPUT	100Vdc, 20A		
MAX CHARGE/LOAD	20A		
MAX PANEL SIZE	300W (12V) / 600W (24V)		
LOAD SWITCHING	Negative		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
	Bulk/ Gel	14.2V	28.4V
	Absorption AGM	14.4V	28.8V
	Wet	14.6V	29.2V
	Lithium	14.2V	28.4V
	Equalisation Gel	-	-
	AGM	14.6V	29.2V
	Wet	14.8V	29.6V
	Lithium	-	-
	Float Gel	-	-
	AGM	13.8V	27.6V
	Wet	-	-
	Lithium	-	-
STANDBY CURRENT	12mA		
APPROVAL	EMC		
IP RATING	IP34		

2 YEAR WARRANTY



Replacement Parts:
SC400D Remote Control Display
SC4TMP External temperature sensor probe



SC440 | PREMIUM RV

MPPT AUTOMATIC SOLAR CHARGE CONTROLLERS

The 40A is ideal for solar systems that are larger and require faster charging. Ideally suited to larger caravans and RVs, these sophisticated MPPT solar controllers ensure a solar system is delivering the optimal power to meet a wide range of power demands.

40 AMP
12 / 24 VOLT

NEW



LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

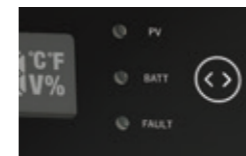
MULTI-CHEMISTRY

Set the charge profile to suit battery types; Wet, AGM, GEL or Lithium



SLEEK DESIGN

Touch screen buttons and bright screen ensures the controller looks great no matter where it's placed



SOLAR CONTROLLER

98.2% efficient MPPT (Maximum Power Point Tracking) solar controller maximizes the sun's radiation and converts it to power



TEMPERATURE SENSOR

Plug-in sensor enables unit to optimise charge performance and offer additional protection



PREMIUM QUALITY

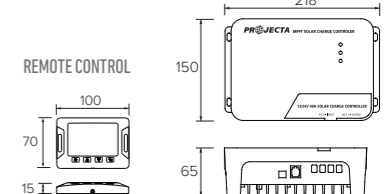
Tempered glass cover with housing made from cast aluminium providing premium feel with silent operation



SPECIFICATIONS

PART NO.	SC440		
INPUT	12V or 24V		
MAX INPUT	100Vdc, 40A		
MAX CHARGE/LOAD	40A		
MAX PANEL SIZE	600W (12V) / 1200W (24V)		
LOAD SWITCHING	Negative		
BATTERY	12V or 24V		
CHARGE CONTROL	4 Stage Charging	12V	24V
	Bulk/ Gel	14.2V	28.4V
	Absorption AGM	14.4V	28.8V
	Wet	14.6V	29.2V
	Lithium	14.2V	28.4V
	Equalisation Gel	-	-
	AGM	14.6V	29.2V
	Wet	14.8V	29.6V
	Lithium	-	-
	Float Gel	-	-
	AGM	13.8V	27.6V
	Wet	-	-
	Lithium	-	-
STANDBY CURRENT	10mA		
APPROVAL	EMC		
IP RATING	IP34		

2 YEAR WARRANTY



Replacement Parts:
SC400D Remote Control Display
SC4TMP External temperature sensor probe

SC520 | PREMIUM RV

20A 12~48V MPPT WITH 100V SOLAR CHARGE CONTROLLER

Get the most out of a solar array using these Maximum Power Point Tracking (MPPT) solar controllers increasing the charging output by up to 30% (compared to PWM Solar controllers).

20 AMP
12/24/48 VOLT



KEY FEATURES

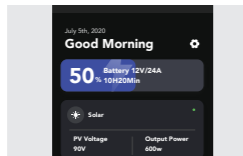
BLUETOOTH
Bluetooth connectivity provides solar charging information remotely via smart phone

HIGH CURRENT CHARGING
20A model for high current charging

SOLAR INPUT
100V open circuit voltage allows for solar panels to be wired in series for maximum efficiency

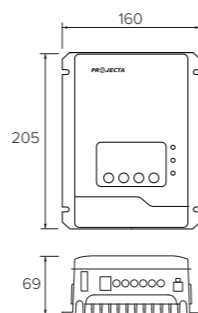
SOLAR CONTROLLER
98.2% efficient MPPT (Maximum Power Point Tracking) solar controller maximizes the sun's radiation and converts it to power

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or Lithium



SPECIFICATIONS

PART NO.	SC520
BATTERY VOLTAGE	12/24/48V
MAXIMUM SOLAR VOLTAGE	100V
STANDBY CURRENT	1mA at 12V, 3mA at 24V, 5mA at 48V
CHARGE TYPE	5 Stage
INPUT	100V
OUTPUT	20A
CONTROL TYPE	MPPT
BATTERIES SUPPORTED	Gel, AGM, Wet, Lithium
TEMPERATURE COMPENSATION	-18mV/12V
COMMUNICATION	Bluetooth, RS485
STORAGE TEMPERATURE	-40~70°C
HUMIDITY	5~95%
IP RATING	IP31
WEIGHT	1.4kg
COOLING	Convection
APPROVALS	EMC



SC540 | PREMIUM RV

40A 12~48V MPPT WITH 100V SOLAR CHARGE CONTROLLER

This premium 40Amp, 100V input solar controller used for large solar arrays is the perfect Maximum Power Point Tracking (MPPT) controller ideal for high end installations.

40 AMP
12/24/48 VOLT



KEY FEATURES

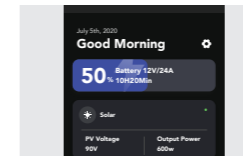
BLUETOOTH
Bluetooth connectivity provides solar charging information remotely via smart phone

HIGH CURRENT CHARGING
40A model for high current charging

SOLAR INPUT
100V open circuit voltage allows for solar panels to be wired in series for maximum efficiency

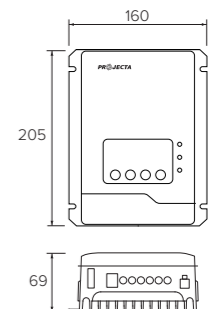
SOLAR CONTROLLER
98.2% efficient MPPT (Maximum Power Point Tracking) solar controller maximizes the sun's radiation and converts it to power

MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or Lithium



SPECIFICATIONS

PART NO.	SC540
BATTERY VOLTAGE	12/24/48V
MAXIMUM SOLAR VOLTAGE	100V
STANDBY CURRENT	1mA at 12V, 3mA at 24V, 5mA at 48V
CHARGE TYPE	5 Stage
INPUT	100V
OUTPUT	40A
CONTROL TYPE	MPPT
BATTERIES SUPPORTED	Gel, AGM, Wet, Lithium
TEMPERATURE COMPENSATION	-18mV/12V
COMMUNICATION	Bluetooth, RS485
STORAGE TEMPERATURE	-40~70°C
HUMIDITY	5~95%
IP RATING	IP31
WEIGHT	1.4kg
COOLING	Convection
APPROVALS	EMC





SOLAR ACCESSORIES

ALL NEW

SA-50AHDC (Blister 1)

50A CONNECTOR TO BATTERY CLAMPS

- 50Amp Heavy Duty Connector to 2 Insulated Battery Clamps with 8mm Battery Cable
- 300mm Length



SA-50AHDRT (Blister 1)

50A CONNECTOR TO RING TERMINALS

- 50Amp Heavy Duty Connector to 2 x 8mm Ring Terminals with 8mm Battery cable
- 300mm Length



SA-50A12VI (Blister 1)

50A CONNECTOR TO ACCESSORY SOCKET

- 50Amp Heavy Duty Connector to Accessory Socket
- 300mm Length



SA-50A12VO (Blister 1)

50A CONNECTOR TO ACCESSORY PLUG

- 50Amp Heavy Duty Connector to Accessory Plug
- 300mm Length



SA-50A2A (Blister 1)

50A CONNECTOR TO TWIN 50A CONNECTORS

- 50Amp Heavy Duty Connector to 2 x 50Amp Heavy Duty Connectors
- 600mm Length



SA-50AMC4 (Blister 1)

50A CONNECTOR TO MC4 TYPE CONNECTORS

- 50Amp Heavy Duty Connector to MC4 type plug and socket
- 600mm Length



SA-50AMC4L (Blister 1)

50A CONNECTOR TO MC4 TYPE CONNECTORS 5M EXTENSION LEAD

- 50Amp Heavy Duty Connector to MC4 type Plug and Socket
- 5m Length



SOLAR ACCESSORIES

ALL NEW

SA-50AMC4RT (Blister 1)

MC4 TYPE CONNECTORS TO RING TERMINALS

- MC4 type plug and socket to 2 x 8mm Ring Terminals
- 600mm Length



MC4-2 (Blister 2)

MC4 TYPE CONNECTORS

- Single pin waterproof male & female connectors with terminals and seals
- With Pins



MC4-F (Blister 1)

MC4 TYPE FEMALE CONNECTOR

- Single pin waterproof female connector with terminal
- With Pins



MC4-M (Blister 1)

MC4 TYPE MALE CONNECTOR

- Single pin waterproof male connector with terminal and seal
- With Pins



MC4-YN (Blister 1)

MC4 TYPE Y-LEAD NEGATIVE CONNECTOR

- 2 Plugs to 1 Socket
- Negative termination



MC4-YP (Blister 1)

MC4 TYPE Y-LEAD POSITIVE CONNECTOR

- 2 Sockets to 1 Plug
- Positive termination



SA-MRS (Blister 2)

SOLAR PANEL MOUNTING RAILS - 2 X SMALL

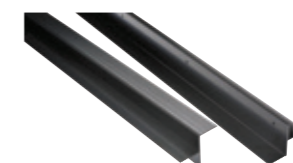
- Dimensions (Length): 800mm x (Width): 40mm x (Height): 32mm
- Aluminium Material



SA-MRL (Blister 2)

SOLAR PANEL MOUNTING RAILS - 2 X LARGE

- Dimensions (Length): 800mm x (Width): 50mm x (Height): 42mm
- Aluminium Material





PERSONAL POWER

POWER BANKS 88
 Highly compact, portable power banks, perfect for keeping devices charged and ready for any adventure.

SOLAR PANEL RANGE 90
 A portable range of personal solar panels that will keep devices charged whilst off the grid.



COMPAC SERIES

A RANGE OF PORTABLE CHARGING & POWER SOLUTIONS FOR EVERYDAY USE.

The Projecta COMPAC Series of fast chargers and solar panels are tailored to the outdoor adventurer, weekend warrior and travellers – providing fast, versatile power in high quality, compact devices.



PB5 Actual size

ALL NEW

POWER BANK RANGE

The COMPAC Series Power Banks are available in two sizes: the super light yet powerful PB5 (101 grams total weight / 18W / 5,000 mAh) and the fast charge juggernaut PB10 (190 grams total weight / 18W / 10,000 mAh).

The COMPAC Power Banks boast the same 21700 lithium-ion cells used in E-Bikes & EVs. This means the COMPAC Power Banks pump out 18 Watts of fast charge, allowing up to 50 minutes (PB5) or 100 minutes (PB10) of additional runtime on your MacBook or equivalent laptop.



PB5 | 18W 5000mAh

PB10 | 18W 10000mAh

CHARGE YOUR DEVICES				
	iPhone 13/Galaxy S21	Drone	MacBook	Power Bank
PB5	1-2 TIMES	1-8 TIMES	50 MINUTES	1.9* HOURS
PB10	2-4 TIMES	1-16 TIMES	100 MINUTES	3.8* HOURS

*Based on 9V 1.4A input.

FEATURES & BENEFITS

FAST CHARGING



18W (USB-A, USB-C) Fast charge. Charges iPhone to 80% in 1 hour.

COMPACT



The inconspicuous nature of these power banks allows charging of devices from empty, multiple times, whilst in your pocket.

EMERGENCY POWER



Gives up to 100* minutes of extra battery life to compatible MacBook laptops.

*PB5 - 50mins / PB10 - 100mins

ULTRA SAFE



Over charge, short circuit, over discharge, over current and temperature protection built-in

EASY TO USE



Easy 1 click operation and a clear 4 stage LED display that shows battery life



PP15 | 3.0A OUTPUT 10,000mAh

PP10 | 1.6A OUTPUT

ALL NEW

SOLAR PANEL RANGE

The COMPAC Series Solar Panels are portable, monocrystalline folding solar panels that include a versatile 3-in-1 charging cable to provide constant, on-the-go power solutions for phones, action cameras, drones and tablets. The COMPAC Folding Solar Panels are ideal for the outdoor adventurer, with carabiners offering secure mounting allowing the user to charge their panel throughout the day whilst still hiking, fishing, riding and off roading.

	CHARGE YOUR PORTABLE DEVICES						RECHARGING POWERBANK	
	Watch	GoPro	iPhone 13 Mini	iPhone 13	Galaxy S21	Drone	Sunlight	USB
PP10	✓	✓	✓	✓	✓	-	-	-
PP15	30 TIMES	5 TIMES	4 TIMES	3 TIMES	2.5 TIMES	1-14 TIMES	6-10 HOURS	3-6 HOURS

FEATURES & BENEFITS

COMPACT CHARGING



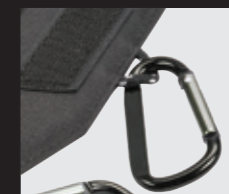
Monocrystalline cells enable efficient solar charging for devices including recharging COMPAC Power Banks

DURABLE



Temperature resistant solar cells ensure reliable power delivery, even on hot sunny days.

SECURE MOUNTING



Rope eyelets and lightweight carabiners offer secure mounting to obtain an ideal sunlight angle

3-IN-1 CHARGE CABLE*



Up to 1.6A output via three-in-one USB charge cable, featuring USB-C, Lightning™ and Micro USB connectors

*PP10 only

VERSATILE POWER SUPPLY^



The three fast-charge 3.0A (5V) USB, Lightning™ and USB-C ports allow for simultaneous charging for multiple devices (at 3.0A combined output)

^PP15 only

PB5 | COMPAC SERIES

RAPID CHARGE POWER BANK

Fast charge devices on the go with this ultra compact power bank.

18 WATT
5000 mAh

APPLICATION GUIDE



NEW



KEY FEATURES

CHARGE A LAPTOP

Charge a MacBook or equivalent (18W) laptop with up to 50 minutes additional runtime



USB-A TO USB-C CABLE

Fast charge devices and fast recharge using the included USB-A to USB-C cable



COMPACT

Ultra compact yet powerful. Allows charging of devices multiple times and stows easily in a pocket



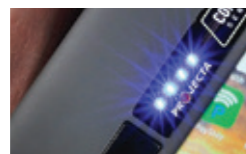
PROTECTION

Over charge, short circuit, over discharge, over current and temperature protection built-in



LED BATTERY INDICATOR

Easy 1 click operation and a clear 4 stage LED display that shows battery life



SPECIFICATIONS

PART NO.	PB5
OUTPUT	18W 3.0A (USB-A, USB-C) USB-C (PD): 3.0A (5V) max USB (QC): 2.1A (5V) max
INPUT	USB-C (12W Rapid Charge)
BATTERY	5,000mAh LiPo (18.2Wh, 3.64V)
WEIGHT	101g

CHARGE YOUR DEVICES

Phone	Drone	MacBook	Power Bank 100% recharge
1-2 Times	1-8 Times	50 Minutes	1.9* Hours

* Based on 9V 1.4A input.
Note: Number of recharges based on a typical battery and may vary depending on battery capacity and condition.



PB10 | COMPAC SERIES

RAPID CHARGE POWER BANK

Run devices for longer or conveniently recharge them whilst on the go with this fast charge power bank.

18 WATT
10000 mAh

APPLICATION GUIDE



NEW



KEY FEATURES

CHARGE A LAPTOP

Charge a MacBook or equivalent (18W) laptop with up to 100 minutes additional runtime



USB-A TO USB-C CABLE

Fast charge devices and fast recharge using the included USB-A to USB-C cable



COMPACT

Ultra compact yet powerful. Allows charging of devices multiple times and stows easily in a pocket



PROTECTION

Over charge, short circuit, over discharge, over current and temperature protection built-in



LED BATTERY INDICATOR

Easy 1 click operation and a clear 4 stage LED display that shows battery life



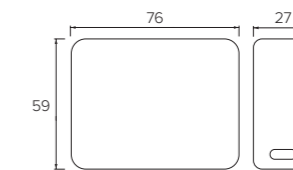
SPECIFICATIONS

PART NO.	PB10
OUTPUT	18W 3.0A (USB-A, USB-C) USB-C (PD): 3.0A (5V) max USB (QC): 2.1A (5V) max
INPUT	USB-C (12W Rapid Charge)
BATTERY	10,000mAh LiPo (36.4Wh, 3.64V)
WEIGHT	190g

CHARGE YOUR DEVICES

Phone	Drone	MacBook	Power Bank 100% recharge
2-4 Times	1-16 Times	100 Minutes	3.8* Hours

* Based on 9V 1.4A input.
Note: Number of recharges based on a typical battery and may vary depending on battery capacity and condition.





PP10 | COMPAC SERIES

MONOCRYSTALLINE 10W FOLDING SOLAR CHARGER

Compact and portable, this folding solar panel kit is ideal for charging small devices whilst off the grid.



10W
1.6A
OUTPUT

APPLICATION GUIDE

KEY FEATURES

COMPACT CHARGING
Monocrystalline cells offer efficient, solar-powered USB charging for your small devices



DURABLE
High temperature treated panel is resistant to damage from heat



3-IN-1 CABLE
Up to 1.6A output via three-in-one USB charge cable, featuring USB-C, Lightning™ and Micro-B USB connectors



FOLDING DESIGN
Lightweight panel folds to a compact size for easy carrying and storage in a bag or backpack

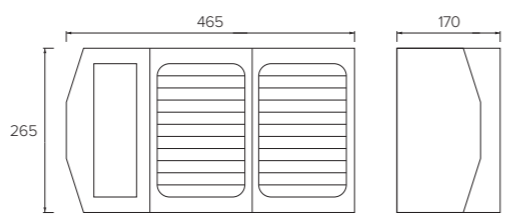


SPECIFICATIONS

PART NO.	PP10
OUTPUT PORTS	USB-A with 3-in-1 charge cable
OUTPUT POWER	1.6A (5V)
INPUT	Monocrystalline Solar Cells
RATED POWER	10W
SIZE	Folded: 270x170x10mm Open: 465x265x3mm
WEIGHT	300g

CHARGE YOUR DEVICES

CHARGING	Direct sunlight				
DEVICES	Smart Watch	GoPro	iPhone 13 Mini	iPhone 13	Galaxy S21



PP15 | COMPAC SERIES

MONOCRYSTALLINE 15W FOLDING SOLAR POWER BANK

A compact folding solar panel with the convenience of a built in power bank to keep devices charged whilst off grid.



15W
3.0A
OUTPUT

APPLICATION GUIDE



KEY FEATURES

VERSATILE POWER SUPPLY
Three fast-charge 3.0A (5V) USB-A and USB-C ports allow for simultaneous charging of devices



COMPACT CHARGING
Monocrystalline cells offer efficient, solar-powered USB charging for small devices



DURABLE
High temperature treated panel is resistant to damage from heat



3-IN-1 CABLE
Up to 3.0A output via three-in-one USB charge cable, featuring USB-C, Lightning™ and Micro-B USB connectors



FOLDING DESIGN
Lightweight panel folds to a compact size for easy carrying and storage in a bag or backpack

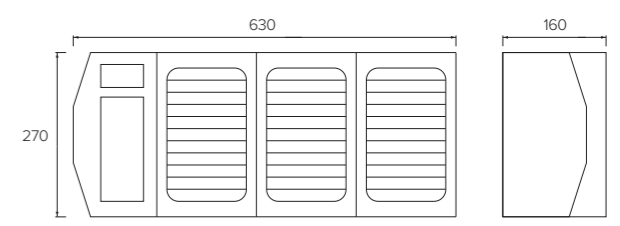


SPECIFICATIONS

PART NO.	PP15
OUTPUT PORTS	1 X USB-A 2.0A (5V) 1 X USB-A 3.0A (5V), 2.0A (9V), 1.5A (12V) 1 X USB-C 3.0A (5V), 2.0A (9V), 1.5A (12V) 1 X Micro USB 3.0A (5V), 2.0A (9V), 1.5A (12V)
OUTPUT POWER	3.0A (max. combined output)
INPUT	Micro USB, USB-C 3.0A (5V), 2.0A (9V), 1.5A (12V), Monocrystalline Solar Cells
RATED POWER	15W
BATTERY	10,000mAh, at 3.7V (37wh)
SIZE	Folded: 270 x 160 x 20mm Open: 630 x 270 x 10mm
WEIGHT	588g

CHARGE YOUR DEVICES

RECHARGING BATTERY	Direct sunlight (6-10 hours), USB (3-6 hours)					
DEVICES	Smart Watch	GoPro	iPhone 13 Mini	iPhone 13	Galaxy S21	Drone
CHARGE	30 Times	5 Times	4 Times	3 Times	2.5 Times	1-14 Times





JUMP STARTERS

INTELLI-START

98

The future of powerful, compact and ultra safe lithium jump starters that are just as well suited to the everyday driver as they are to the mobile service professional





JUMP STARTER SELECTION GUIDE

Quite simply the smartest, safest and most portable range of jump starters ever made. With ultra-safe Lithium Iron Phosphate (LiFePO4) batteries and patented RRT (Rapid Recharge Technology), Intelli-Start jump starters are unlike anything else on the market.

- Ideal
- Not Suitable

All Intelli-Start jump starters feature:



APPLICATION

PETROL ENGINE SIZE

DIESEL ENGINE SIZE



INTELLI-START LITHIUM 12V EMERGENCY JUMP STARTERS

The Emergency range feature removable clamps and protective storage bag, and their compact size allows for ease of stowage in most glove boxes. The ideal jump starter to keep in the vehicle at all times for those unexpected emergencies.

	IS920	IS1220
PETROL ENGINE SIZE	6.0L	7.0L
DIESEL ENGINE SIZE	N/S	4.5L



INTELLI-START LITHIUM 12V & 12/24V PROFESSIONAL JUMP STARTERS

The Professional range IS1400 & IS2000 models feature an intuitive LCD screen providing key battery and jump start information. The IS1500 & IS2000 also come with a docking station making storing and charging easy and safe.

	IS1400	IS1500	IS2000
PETROL ENGINE SIZE	7.0L	8.0L	8.0L
DIESEL ENGINE SIZE	5.0L	6.0L	6.0L / 12V 7.0L / 24V



INTELLI-START LITHIUM 12/24V INDUSTRIAL JUMP STARTERS

The Industrial range have a rugged design and provide extreme power delivery. They are lightweight and portable, preventing downtime on worksites due to flat batteries. The included docking station makes them easy to store away and charge up.

	IS3000	IS5000
PETROL ENGINE SIZE	12.0L/12V ALL/24V	16.0L/12V ALL/24V
DIESEL ENGINE SIZE	12.0L/12V ALL/24V	16.0L/12V ALL/24V

	IS920	IS1220	IS1400	IS1500	IS2000	IS3000	IS5000
PETROL ENGINE SIZE	6.0L	7.0L	7.0L	8.0L	8.0L	12.0L/12V ALL/24V	16.0L/12V ALL/24V
DIESEL ENGINE SIZE	N/S	4.5L	5.0L	6.0L	6.0L / 12V 7.0L / 24V	12.0L/12V ALL/24V	16.0L/12V ALL/24V
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THE INTELLI-START RANGE

SMART, COMPACT & POWERFUL.
THAT'S INTELLI-START.

The revolutionary and patented Rapid Recharge Technology (RRT) built-in to the Intelli-Start range is designed so the jump starter recharges itself from the vehicle it just started in just 40 seconds.



SCAN THE QR FOR MORE INFORMATION



FEATURES & BENEFITS

RAPID RECHARGE TECHNOLOGY (RRT)



Always ready for the next emergency, RRT will replenish the power used in as little as 40 seconds when left connected to the started vehicle.

ALL-IN-ONE PROTECTION & EASY TO USE



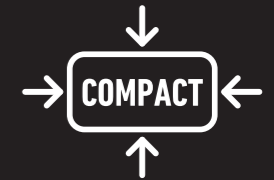
Engineered for ease of use and complete protection for both users and vehicles against shorts, surges and accidental incorrect use.

UNPARALLELED SAFETY & SUPERIOR PERFORMANCE



Purpose built for jump starting, LiFePO₄ batteries are safer and last up to 4 times longer than Lithium Cobalt (LiCoO₂) batteries.

COMPACT, RELIABLE & RUGGED



Designed and tested in Australia, Intelli-Start are weatherproof, compact, lightweight & rugged ensuring ease of portability and storage.

COMPACT JUMP STARTERS WITH ABUNDANT POWER

The lithium battery technology powering the Intelli-Start jump starter range provides high performance jump starting in an ultra compact lightweight package. The lithium technology allows a much longer storage life without requiring recharge, offers faster charging and high power output from smaller jump starters and 4 times the battery life cycles compared to other lithium jump starters. The range includes 'Emergency' jump starters for the everyday user, a 'Professional' range for those in the trade and 'Industrial' models for the extreme demands of commercial environments.



THE MUST HAVE EMERGENCY JUMP STARTER RANGE TO KEEP YOU MOVING

PROFESSIONAL RANGE

Ideal for workshops, car dealerships and roadside assistance vehicles.



EMERGENCY RANGE

Perfect for personal leisure craft, passenger cars, recreational vehicles and 4WDs.

INDUSTRIAL RANGE

Suitable for commercial transport, construction, agriculture, mining and industrial machinery.

SO SAFE AND EASY TO USE, IT'S CHILD'S PLAY.

The Intelli-Start range is the safest on the market.

Lithium Iron Phosphate (LiFePO₄) batteries are purpose-built for jump starting and specifically designed for cranking, making them much safer than the Lithium Cobalt (LiCoO₂) batteries found in many other jump starters.

Along with their revolutionary battery technology, the Intelli-Start range utilises an advanced 'all-in-one' protection system preventing surges, short-circuits and overheating.

As well as being the safest, they're also incredibly easy to use, alerting users to an incorrect connection and indicating how much charge remains.





IS920 | INTELLI-START

LITHIUM | 12V EMERGENCY JUMP STARTER

A super compact lithium jump starter capable of starting vehicles up to 6.0L petrol. Ideal for ride on mowers through to 4 & 6 cylinder petrol cars.

INTELLI RANGE

240 AMP
CLAMP POWER

900 AMP
PEAK AMPS

APPLICATION GUIDE



NEW



KEY FEATURES

RAPID RECHARGE TECHNOLOGY
Recharges the jump starter from the vehicle in just 40 seconds

SPARK-FREE CLAMPS
The premium clamps won't spark if they're incorrectly connected, and they won't damage the vehicle's electronics

POWERBANK AND USB CHARGING PORTS
Allows charging of phones and other portable devices on the go. USB-A charging port enables easy recharging

L.E.D. WORK LIGHT
A powerful 0.5 Watt/ 180 lumen LED flood light with SOS function

COMPACT
Featuring removable clamps and a padded storage bag, the jump starter will fit in most glove-boxes

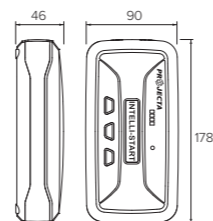


SPECIFICATIONS

PART NO.	IS920
BATTERY CAPACITY	1.6Ah at 12.8V, 6,400mAh at 3.2V (20.48Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	1800 battery cycles (battery lifespan)
CLAMP POWER	12V 240A maximum current available at the clamps
APPLICATION	Emergency only
TYPES OF VEHICLE	Starts 12V vehicles up to 6.0L petrol
JUMP STARTER LEADS	
LENGTH	Positive 310mm, Negative 270mm
CABLE	AWG 8
REVERSE POLARITY PROTECTION	Yes
RECHARGING	
VIA	12V Micro USB lead (12V to USB-A adaptor)
SOURCE	RRT Via vehicle starting battery
JUMP STARTER	
WEIGHT	0.6kg
IP RATING	IP53

Padded Storage Bag included

REPLACEMENT PARTS:
ISEUSB 12V USB-A Adaptor
ISCLAMPS Jump Starter Leads
ISBAG Padded Storage Bag



IS1220 | INTELLI-START

LITHIUM | 12V EMERGENCY JUMP STARTER

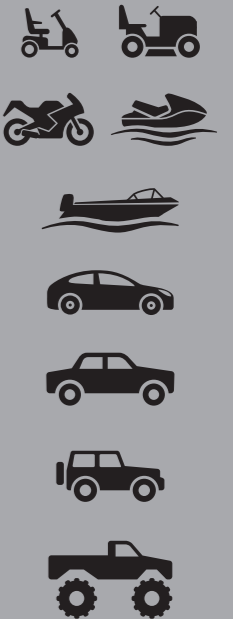
A powerful and super compact lithium jump starter capable of starting vehicles up to 7.0L petrol and 4.5L diesel. Ideal for family cars through to mid-sized diesel 4WDs.

INTELLI RANGE

400 AMP
CLAMP POWER

1200 AMP
PEAK AMPS

APPLICATION GUIDE



NEW



KEY FEATURES

RAPID RECHARGE TECHNOLOGY
Recharges the jump starter from the vehicle in just 40 seconds

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POWERBANK AND USB CHARGING PORTS
Allows charging of phones and other portable devices on the go. USB-A charging port enables easy recharging

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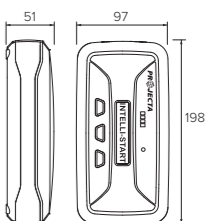


SPECIFICATIONS

PART NO.	IS1220
BATTERY CAPACITY	3.0Ah at 12.8V, 12,000mAh at 3.2V (38.4Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	1800 battery cycles (battery lifespan)
CLAMP POWER	12V 400A maximum current available at the clamps
APPLICATION	Emergency only
TYPES OF VEHICLE	Starts 12V vehicles up to 7.0L petrol & 4.5L diesel
JUMP STARTER LEADS	
LENGTH	Positive 310mm, Negative 270mm
CABLE	AWG 8
REVERSE POLARITY PROTECTION	Yes
RECHARGING	
VIA	12V Micro USB lead (12V to USB-A adaptor)
SOURCE	RRT Via vehicle starting battery
JUMP STARTER	
WEIGHT	0.8kg
IP RATING	IP53

Padded Storage Bag included

REPLACEMENT PARTS:
ISEUSB 12V USB-A Adaptor
ISCLAMPS Jump Starter Leads
ISBAG Padded Storage Bag





JUMP STARTERS

JUMP STARTERS

IS1400 | INTELLI-START

LITHIUM | 12V PROFESSIONAL JUMP STARTER

A powerful and super compact lithium jump starter capable of starting 12V vehicles up to 7.0L petrol and 5.0L diesel. Ideal for vehicle enthusiasts, small workshops and car yards.

INTELLI RANGE

500 AMP
CLAMP POWER

1400 AMP
PEAK AMPS

APPLICATION GUIDE



NEW



KEY FEATURES

LCD COLOUR SCREEN
Clear screen provides the user with information such as battery voltage and diagnostic information



RAPID RECHARGE TECHNOLOGY
Recharges the jump starter from the vehicle in just 40 seconds



SPARK-FREE CLAMPS
The premium clamps won't spark if they're incorrectly connected, and they won't damage the vehicle's electronics



NO SOLDER HIGH CURRENT CONNECTIONS
All wired connections within jump starter are crimped and bolted to ensure maximum reliability and current output



EVA STORAGE CASE
Premium EVA storage case ensures your jump starter and accessories are stored in a secure case preventing accidental damage



SPECIFICATIONS

PART NO.	IS1400
BATTERY CAPACITY	4.0Ah at 12.8V, 16,000mAh at 3.2V (51.2Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	2000 battery cycles (battery lifespan)
CLAMP POWER	12V 500A maximum current available at the clamps
APPLICATION	Professional
TYPES OF VEHICLE	Starts 12V vehicles up to 7.0L petrol & 5.0L diesel

JUMP STARTER LEADS

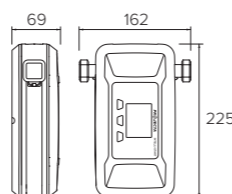
LENGTH	Positive & Negative 400mm
CABLE	AWG 4
REVERSE POLARITY PROTECTION	Yes

RECHARGING

VIA	12V USB-C lead (12V to USB-A adaptor)
SOURCE	RRT Via vehicle starting battery

JUMP STARTER

WEIGHT	1.7kg
IP RATING	IP65



REPLACEMENT PARTS:
ISEUSB3A 12V/24V 3.0A USB-A Adaptor ISEVA1400 IS1400 EVA Case
BC750B Replacement Clamp (Black) BC750R Replacement Clamp (Red)

IS1500 | INTELLI-START

LITHIUM | 12V PROFESSIONAL JUMP STARTER

A powerful and ergonomic jump starter capable of starting 12V vehicles up to 8.0L petrol and 6.0L diesel. Ideal for professional workshops, car dealerships, panel shops and roadside assist.

INTELLI RANGE

700 AMP
CLAMP POWER

1500 AMP
PEAK AMPS

APPLICATION GUIDE



KEY FEATURES

RAPID RECHARGE TECHNOLOGY
Recharges the jump starter from the vehicle in just 40 seconds



PREMIUM SPARK-FREE CLAMPS
The premium clamps won't spark if they're incorrectly connected, and they won't damage the vehicle's electronics



L.E.D INDICATORS
Monitor the jump starter's charge level and jump start status from the easy to read L.E.D indicators and battery status button



SET AND FORGET DOCKING STATION
Allows the jump starter to be on charge during storage so it's ready for use anytime



ERGONOMIC, EASY TO GRIP HANDLE
Premium grip allows user to handle jump starter all day without fatigue



SPECIFICATIONS

PART NO.	IS1500
BATTERY CAPACITY	6.0Ah at 12.8V, 24,000mAh at 3.2V (76.8Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	2000 battery cycles (battery lifespan)
CLAMP POWER	12V 700A maximum current available at the clamps
APPLICATION	Professional
TYPES OF VEHICLE	Starts 12V vehicles up to 8.0L petrol & 6.0L diesel

JUMP STARTER LEADS

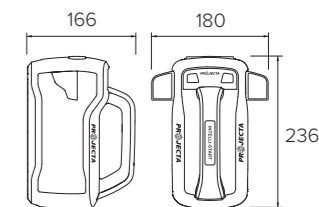
LENGTH	Positive & Negative 550mm
CABLE	AWG 4
REVERSE POLARITY PROTECTION	Yes

RECHARGING

VIA	240V Charging Dock (15V 1A AC adaptor)
SOURCE	RRT Via vehicle starting battery

JUMP STARTER

WEIGHT	4kg
IP RATING	IP65



REPLACEMENT PARTS:
ISC1A 15V 1A AC Charging Adaptor
ISCD1500 240V AC/DC Charging Dock



JUMP STARTERS

JUMP STARTERS

IS2000 | INTELLI-START

LITHIUM | 12/24V PROFESSIONAL JUMP STARTER

A powerful and super compact jump starter capable of starting 12V and 24V vehicles up to 8.0L petrol and 7.0L diesel. Ideal for roadside assist, medium 12 or 24V trucks, agricultural and mid-sized earthmoving equipment.

INTELLI RANGE

750A 12V
500A 24V
CLAMP POWER

2000 AMP
PEAK AMPS

APPLICATION GUIDE



NEW



KEY FEATURES

LCD COLOUR SCREEN

Clear screen provides the user with information such as battery voltage and diagnostic information



RAPID RECHARGE TECHNOLOGY

Recharges the jump starter from the vehicle in just 40 seconds



AUTOMATIC VOLTAGE DETECTION

Detects the vehicles voltage when the clamps are connected and automatically selects 12 or 24 volt



SET AND FORGET DOCKING STATION

Allows the jump starter to be on charge during storage so it's ready for use anytime



NO SOLDER HIGH CURRENT CONNECTIONS

All wired connections within jump starter are crimped and bolted to ensure maximum reliability and current output



SPECIFICATIONS

PART NO.	IS2000
BATTERY CAPACITY	2 x 3.0Ah at 12.8V, 24,000mAh at 3.2V (76.8Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	2000 battery cycles (battery lifespan)
CLAMP POWER	12V 750A / 24V 500A Maximum current available at the clamps
APPLICATION	Professional
TYPES OF VEHICLE	Starts large 12V & 24V vehicles up to 8.0L petrol & 7.0L diesel

JUMP STARTER LEADS

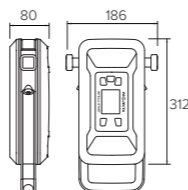
LENGTH	Positive & Negative 590mm
CABLE	AWG 4
REVERSE POLARITY PROTECTION	Yes

RECHARGING

VIA	12V USB-C lead (12V to USB-A adaptor) 240V Charging Dock (15V 1A AC adaptor)
SOURCE	RRT Via vehicle starting battery

JUMP STARTER

WEIGHT	2.6kg
IP RATING	IP65



REPLACEMENT PARTS:

ISEUSB3A 12/24V 3.0A USB-A Adaptor ISCA2000 15V 1A AC Charging Adaptor
ISEVA2000 IS2000 EVA Case ISCD2000 240V AC/DC Charging Dock
BC750B Replacement Clamp (Black) BC750R Replacement Clamp (Red)

IS3000 | INTELLI-START

LITHIUM | 12/24V INDUSTRIAL JUMP STARTER

A highly powerful and extremely reliable jump starter capable of starting 12V 12.0L petrol and diesel vehicles and all 24V petrol and diesel vehicles. Suitable for 12V or 24V prime movers, buses and smaller industrial machinery.

INTELLI RANGE

1000A 12V
850A 24V
CLAMP POWER

3000 AMP
PEAK AMPS

APPLICATION GUIDE



NEW



KEY FEATURES

LCD COLOUR SCREEN

Clear screen provides the user with information such as battery voltage and diagnostic information



RAPID RECHARGE TECHNOLOGY

Recharges the jump starter from the vehicle in just 40 seconds



AUTOMATIC VOLTAGE DETECTION

Detects the vehicle's voltage when the clamps are connected and automatically selects 12 or 24 volt



WORKSHOP TOUGH

Features a tough steel chassis and aluminium housing with a chemical resistant rubber overmold. Includes docking station ideal for workshop use



NO SOLDER HIGH CURRENT CONNECTIONS

All wired connections within jump starter are crimped and bolted to ensure maximum reliability and current output



SPECIFICATIONS

PART NO.	IS3000
BATTERY CAPACITY	2 x 6.0Ah, at 12.8V, 48,000mAh at 3.2V (153.6Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	2000 battery cycles (battery lifespan)
CLAMP POWER	12V 1000A / 24V 850A Maximum current available at the clamps
APPLICATION	Industrial and commercial
TYPES OF VEHICLE	Starts large 12V 12.0L petrol & diesel vehicles, and all 24V petrol & diesel vehicles

JUMP STARTER LEADS

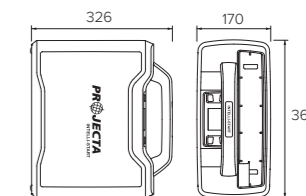
LENGTH	Positive & Negative 1500mm
CABLE	50mm ²
POLARITY PROTECTION	Short-circuit, over-current, input over-voltage and under-voltage, output over-voltage and under-voltage

RECHARGING

VIA	240V Charging Dock (15V 2A AC adaptor)
SOURCE	RRT Via vehicle starting battery

JUMP STARTER

WEIGHT	10.6kg
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REPLACEMENT PARTS:

ISCD3500 240V AC/DC Charging Dock ISCA3500 15V 2A AC Charging Adaptor
BC1500B Replacement Clamp (Black) BC1500R Replacement Clamp (Red)



IS5000 | INTELLI-START

LITHIUM | 12/24V INDUSTRIAL JUMP STARTER

A highly powerful and extremely reliable jump starter capable of starting 12V 16.0L petrol and diesel vehicles and all 24V petrol and diesel vehicles. Ideal for commercial transport, construction equipment, industrial machinery and mining vehicles.

NEW

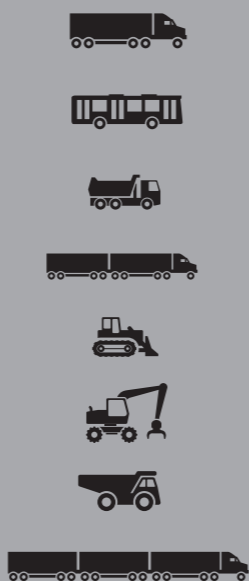


INTELLI RANGE

1500A 12V
1000A 24V
CLAMP POWER

4500 AMP
PEAK AMPS

APPLICATION GUIDE



KEY FEATURES

LCD COLOUR SCREEN
Clear screen provides the user with information such as battery voltage and diagnostic information



RAPID RECHARGE TECHNOLOGY
Replenishes discharged power in 40 seconds, when left connected to vehicle's battery



AUTOMATIC VOLTAGE DETECTION
Detects the vehicle's voltage when the clamps are connected and automatically selects 12 or 24 volt



WORKSHOP TOUGH
Features a tough steel chassis and aluminium housing with a chemical resistant rubber overmold. Includes docking station ideal for workshop use



NO SOLDER HIGH CURRENT CONNECTIONS
All wired connections within jump starter are crimped and bolted to ensure maximum reliability and current output



SPECIFICATIONS

PART NO.	IS5000
BATTERY CAPACITY	2 x 12.0Ah, at 12.8V, 96,000mAh at 3.2V (307.2Wh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY CYCLES	2000 battery cycles (battery lifespan)
CLAMP POWER	12V 1500A / 24V 1000A Maximum current available at the clamps
APPLICATION	Industrial and commercial
TYPES OF VEHICLE	Starts large 12V 16.0L petrol & diesel vehicles, and all 24V petrol & diesel vehicles

JUMP STARTER LEADS

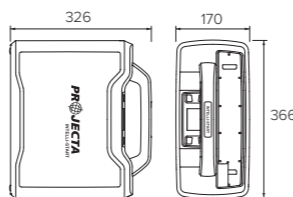
LENGTH	Positive & Negative 1500mm
CABLE	75mm ²
POLARITY PROTECTION	Short-circuit, over-current, input over-voltage and under-voltage, output over-voltage and under-voltage

RECHARGING

VIA	240V Charging Dock (15V 2A AC Adaptor)
SOURCE	RRT Via vehicle starting battery

JUMP STARTER

WEIGHT	13.5kg
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REPLACEMENT PARTS:
ISCD3500 240V AC/DC Charging Dock ISCA3500 15V 2A AC Charging Adaptor
BC1500B Replacement Clamp (Black) BC1500R Replacement Clamp (Red)

WHAT IS RAPID RECHARGE TECHNOLOGY?

40 seconds is all it takes to ensure the Intelli-Start jump starter is ready to go again!

Projecta's revolutionary and patented Rapid Recharge Technology (RRT) means that once a vehicle has been jump started, the user can simply leave the Intelli-Start unit connected to the vehicle's battery for an additional 40 seconds and it will fully recharge the energy discharged and be ready for the next emergency.

There's less of a need to recharge it at home or the workshop. That's Intelli-Start!



SCAN THE QR TO SEE HOW IT WORKS





INVERTERS

MODIFIED SINE WAVE 110

Ideal for powering most household appliances

PRO-WAVE 116

Specifically designed and built to deliver ultra clean, reliable power

INTELLI-WAVE 124

Advanced pure sine wave technology ideal for running all appliances

INTELLI-GRID INVERTER/CHARGERS 132

A new range of inverter/chargers perfect for powering the next adventure, on or off the grid.





POWER INVERTER SELECTION GUIDE

No matter the application or job at hand, Projecta has the inverter to suit. From the entry level modified sine wave inverters ideal for the everyday user, to the pure sine wave options to handle the needs of the home handyman right through to the professional, simply find the appliance to power and match it to the inverter size and model.*

- Suitable for listed appliance
- OK, dependent on size and type of appliance
- Not recommended



THE EVERYDAY USER

An extensive range of entry level inverters capable of powering most household appliances from a 12V battery, providing the comforts of home whilst off the grid. Approved to meet or exceed Australian and New Zealand standards, these inverters are safe and easy to use.



THE HOME HANDYMAN

For those looking to power more sophisticated household appliances, the Pro-Wave range of inverters utilise pure sine wave technology, which more closely replicates the 240V power found at home. Pro-Wave is perfect for the home professional in need of clean, reliable and safe power.



THE PROFESSIONAL

The ultimate solution for 240V power supply whilst off the grid, Intelli-Wave inverters produce ultra clean power capable of powering the most sensitive appliances. Engineered to handle the rigours of industrial and RV leisure applications, Intelli-Wave is the number one choice for caravan, camper trailer and worksite vehicle manufacturers Australia wide.

PART NO.	USB 2AMP	USB-C 18W	MOBILE PHONE 5-30W	DIGITAL CAMERA 4-19W	PORTABLE STEREO 4-50W	FAN 30-60W	LAPTOP 60-250W	VIDEO GAME CONSOLE 4-50W	POWER TOOL BATTERY CHARGER 5-250W	TV 100-160W	PRINTER 100-300W	PC 200-400W	SMALL FRIDGE 250-350W	SMALL POWER TOOLS 300-500W	MICROWAVE 600-1100W	LARGE FRIDGE 750-1500W	HAIR DRYER 500-2000W	TOASTER 1000-2000W	COFFEE MACHINE 1000-2000W	ANGLE GRINDER 1000-2000W	INDUCTION COOK TOP 500-3000W	AIR COMPRESSOR 1000-3000W	AIR CONDITIONER 2000-3000W	
IMW300	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IMW600	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IMW1000	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IMW2000	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IMW1000-24	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IMW2000-24	Green	Green	Green	Green	Green	Green	Yellow	Red	Yellow	Red	Yellow	Yellow	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PW500	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PW1100	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PW1600	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PW2100	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
PW2700	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP600	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP1000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP1500	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP2000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP3000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP2000-24	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
IP3000-24V2	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

*Not limited to these applications. IMPORTANT – Always check the inverter is matched to the appliances power requirements

THE MODIFIED SINE WAVE RANGE

WE'LL SUPPLY THE POWER. HOW YOU USE IT IS UP TO YOU.

Projecta's extensive range of modified sine wave inverters offer a range of features that give you power wherever you want, whenever you want.



ALL NEW

Featuring peak power start up technology for powering maximum loads from the moment the switch turns on, to low battery voltage protection, superior noise filtering and an internally bonded earth system for complete peace of mind, Projecta has it covered.

FEATURES & BENEFITS



PEAK POWER



Projecta's modified sine wave inverters feature heavy-duty MOSFET transistors and a high output transformer allowing the inverter to power maximum loads from start up.



EFFICIENT DESIGN



Automatic temperature controlled cooling fan.



WARNINGS



To protect the battery from permanent damage caused by deep discharge, this range of inverters feature low battery voltage protection that will automatically shut off and sound a warning buzzer.



USB PORT



Handy and convenient USB port, ideal for charging smaller devices such as iPads and smart phones. Featuring 5V, 2.1A charging capacity.



IMW300 | 12V 300W



IMW600 | 12V 600W



IMW1000 | 12V 1000W



IMW1000-24 | 24V 1000W



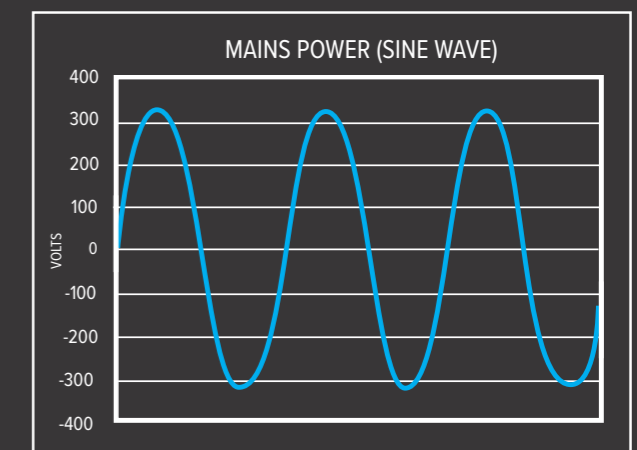
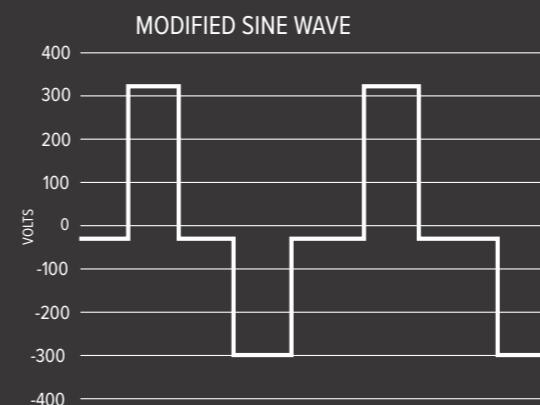
IMW2000 | 12V 2000W



IMW2000-24 | 24V 2000W

WHAT IS MODIFIED SINE WAVE?

There are two different types of inverters, modified sine wave and pure sine wave. The difference between the two is how closely the output replicates mains power. Modified sine wave inverters are the best value for money type of power inverters on the market. The power produced is more often than not sufficient to run most household devices. The power wave form differs from that of mains power electricity as it appears as a choppy squared-off wave as illustrated below. For those needing to run sensitive electrical equipment it is advisable to select a pure sine wave inverter.



**IMW300 | MODIFIED SINE WAVE****MODIFIED SINE WAVE INVERTER**

For the convenience of 240V power while camping, the 300W inverter is ideal with the added feature of USB charging.

300 WATT
12 VOLT

APPLICATION GUIDE**NEW****KEY FEATURES**

APPROVED POWER SOCKET
AS/NZS approved 240V socket. Inverter designed to meet Australian standard AS4763

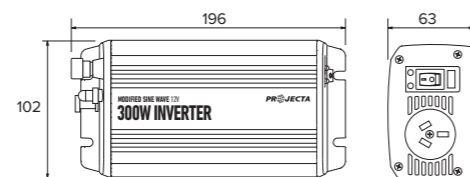
USB OUTPUT SOCKET
USB port for charging most mobile devices. 5V 2.1A

L.E.D INDICATORS
Power and fault lights with audible alarms if a fault is detected

BATTERY CLIPS
900mm heavy duty cable with fitted battery clips for convenient connection

**SPECIFICATIONS**

PART NO.	IMW300
INPUT	12V DC, 32A Max
NO LOAD CURRENT DRAW	≤ 0.45A
OUTPUT	230VAC, 50Hz (Modified Sine), USB A 5V, 2.1A
OUTPUT POWER	300W Continuous (600W Peak <0.5 seconds)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	≥ 85%
LOW BATTERY ALARM	10.5 Volt
SHUTDOWN	9.5Volt
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65°C +/-5°C
INTERNAL FUSE	1 x 40A
IDEAL BATTERY SIZE	20Ah and above
MINIMUM BATTERY SIZE	15Ah
RUN TIME WITH 300W ON 15Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 15Ah BATTERY	1.5 hours
WARNING ALARM	LED & Audible alarm indicates a fault
APPROVALS	Electrical Safety, EMC, AS/NZS4763

**IMW600 | MODIFIED SINE WAVE****MODIFIED SINE WAVE INVERTER**

The versatile IMW600 inverter is for those more serious about remote power. It can be permanently mounted inside a vehicle and features twin power outlets to safely run multiple appliances.

600 WATT
12 VOLT

APPLICATION GUIDE**NEW****KEY FEATURES**

TWIN POWER SOCKETS
AS/NZS approved 240V sockets. Inverter designed to meet Australian standard AS4763

USB OUTPUT SOCKET
USB port for charging most mobile devices. 5V 2.1A

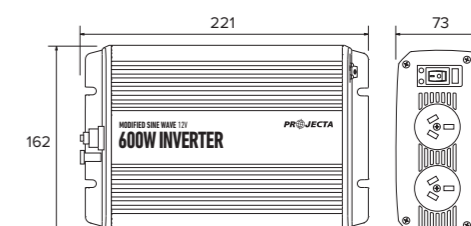
L.E.D INDICATORS
Power and fault lights with audible alarms if a fault is detected

EFFICIENT DESIGN
Automatic Temperature Controlled cooling fan

BATTERY CLIPS
900mm heavy duty cable with fitted battery clips for convenient connection

**SPECIFICATIONS**

PART NO.	IMW600
INPUT	12V DC, 63A Max
NO LOAD CURRENT DRAW	≤ 0.40A
OUTPUT	230VAC, 50Hz (Modified Sine), USB A 5V, 2.1A
OUTPUT POWER	600W Continuous (1200W Peak <0.5 seconds)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	≥ 85%
LOW BATTERY ALARM	10.5 Volt
SHUTDOWN	9.5Volt
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65°C +/-5°C
INTERNAL FUSE	2 x 40A
IDEAL BATTERY SIZE	50Ah and above
MINIMUM BATTERY SIZE	30Ah
RUN TIME WITH 600W ON 30Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 30Ah BATTERY	3 hours
WARNING ALARM	LED & Audible alarm indicates a fault
APPROVALS	Electrical Safety, EMC, AS/NZS4763





IMW1000 & IMW1000-24 | MODIFIED SINE WAVE

MODIFIED SINE WAVE INVERTER

Providing a powerful 1000W of continuous power in a compact easy to install package. Charge USB devices with the convenient USB socket.

1000 WATT
12 OR 24 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

TWIN POWER SOCKETS
AS/NZS approved 240V sockets. Inverter designed to meet Australian standard AS4763



USB OUTPUT SOCKET
USB port for charging most mobile devices. 5V 2.1A



L.E.D INDICATORS
Power and fault lights with audible alarms if a fault is detected



EFFICIENT DESIGN
Automatic Temperature Controlled cooling fan

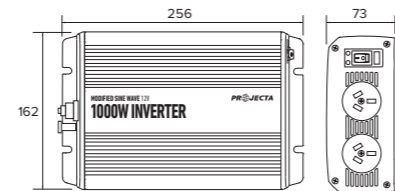


BATTERY CABLE
1100mm 16mm² battery cable



SPECIFICATIONS

	12 VOLT	24 VOLT
PART NO.	IMW1000	IMW1000-24
INPUT	12V DC, 104A Max	24V DC, 52A Max
NO LOAD CURRENT DRAW	≤ 0.40A	
OUTPUT	230VAC, 50Hz (Modified Sine), USB A 5V, 2.1A	
OUTPUT POWER	1000W Continuous (2000W Peak <0.5 seconds)	
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)	
EFFICIENCY	≥ 85%	
LOW BATTERY ALARM	10.5 Volt	21 Volt
SHUTDOWN	9.5 Volt	19 Volt
COOLING FAN	Automatic temperature controlled	
THERMAL SHUTDOWN	65°C +/-5°C	
INTERNAL FUSE	3 x 40A	3 x 20A
IDEAL BATTERY SIZE	75Ah and above	50Ah and above
MINIMUM BATTERY SIZE	50Ah	25Ah
RUN TIME WITH 1000W ON 50Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	5 hours	
RUN TIME WITH 1000W ON 25Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 25Ah BATTERY	5 hours	
WARNING ALARM	LED & Audible alarm indicates a fault	
APPROVALS	Electrical Safety, EMC, AS/NZS4763	



IMW2000 & IMW2000-24 | MODIFIED SINE WAVE

MODIFIED SINE WAVE INVERTER

The perfect inverter to run the comforts of home, making long road trips that little bit easier. Handy USB socket for keeping devices charged with the USB socket included on the front of the inverter.

2000 WATT
12 OR 24 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

TWIN POWER SOCKETS
AS/NZS approved 240V sockets. Inverter designed to meet Australian standard AS4763



USB OUTPUT SOCKET
USB port for charging most mobile devices. 5V 2.1A



L.E.D INDICATORS
Power and fault lights with audible alarms if a fault is detected



EFFICIENT DESIGN
Automatic Temperature Controlled cooling fan

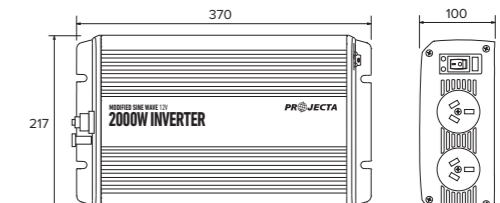


BATTERY CABLE
1100mm 25mm² battery cable



SPECIFICATIONS

	12 VOLT	24 VOLT
PART NO.	IMW2000	IMW2000-24
INPUT	12V DC, 208A Max	24V DC, 140A Max
NO LOAD CURRENT DRAW	≤ 0.50A	
OUTPUT	230VAC, 50Hz (Modified Sine), USB A 5V, 2.1A	
OUTPUT POWER	2000W Continuous (4000W Peak <0.5 seconds)	
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)	
EFFICIENCY	≥ 85%	
LOW BATTERY ALARM	10.5 Volt	21.0 Volt
SHUTDOWN	9.5 Volt	19.0 Volt
COOLING FAN	Automatic Temperature Controlled	
THERMAL SHUTDOWN	65°C +/-5°C	
INTERNAL FUSE	12V fuse: 7 x 35A	4 x 35A
IDEAL BATTERY SIZE	100Ah and above	75Ah and above
MINIMUM BATTERY SIZE	100Ah	50Ah
RUN TIME WITH 2000W ON 100Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 100Ah BATTERY	10 hours	
RUN TIME WITH 2000W ON 50Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	10 hours	
WARNING ALARM	LED & Audible alarm indicates a fault	
APPROVALS	Electrical Safety, EMC, AS/NZS4763	





THE PRO-WAVE RANGE

DELIVERS ULTRA CLEAN POWER

No matter the appliance you need to run, the Pro-Wave range of inverters has the ideal unit to meet your needs. From the reliable 500W unit with its quiet design, to the most powerful 2700W unit which is perfect for the more demanding requirements of caravans and motorhomes.



ALL NEW

Pro-Wave pure sine wave inverters have been specifically designed and built to deliver the next level of clean, reliable power, for those looking for greater performance over entry level modified sine wave inverters. Offering exceptional reliability, Pro-Wave is the ideal companion for all adventures, be it for the avid traveler in search of remote outback destinations or the home handyman in need of good, clean power, no matter the location.



FEATURES & BENEFITS



REMOTE CONTROL



Included with every Pro-Wave inverter is a stylish LCD display remote which allows the unit to be mounted alongside the main battery and out of sight, yet displays easy to read load power and input voltage whilst switching the inverter on and off remotely. Part No. PWREMOTE-1



GREATER STARTING POWER



Pro-Wave inverters deliver far greater start up power than equivalent modified sine wave Inverters to effortlessly run more of the favourite appliances. Engineered to run at 120% surge for 10 minutes and 200% for one second.



FULLY ISOLATED DESIGN



Safety is paramount around 240V, and in particular with inverters, which is why Projecta fully electrically isolates the DC (and therefore battery posts, vehicle chassis, etc) from the 240V AC circuit. This ensures the user total peace of mind, knowing all they need to think about is what they want to power and where.



SUPERIOR NOISE FILTERING



As a result of producing ultra clean power with greatly reduced interference, mirroring that of the power expected from household 240V outlets, the Pro-Wave range prevents any electrical noise/static from being produced when running sensitive appliances.



PW500 | 12V 500W

PW1100 | 12V 1100W

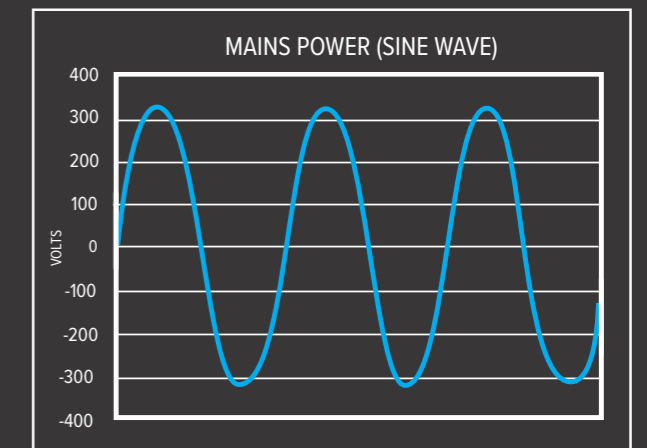
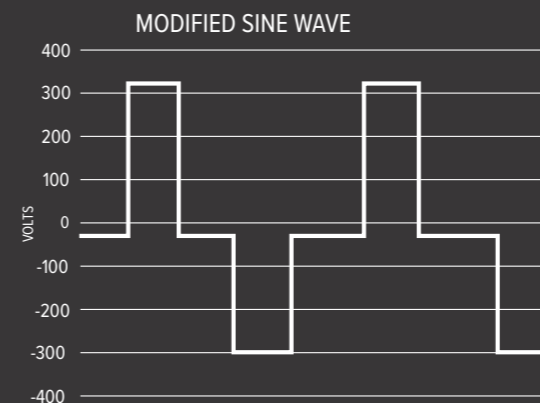
PW1600 | 12V 1600W

PW2100 | 12V 2100W

PW2700 | 12V 2700W

WHAT IS PURE SINE WAVE?

There are two different types of inverters, modified sine wave and pure sine wave. The difference between the two is how closely the output replicates mains power. The process used to create the power from a pure sine wave inverter is more complex and therefore they are more costly, however they are best for use on sensitive electrical appliances due to their ultra clean power delivery. Watch television without static, listen to an AM radio, play favourite games on an Xbox™ or Playstation™ and run a fluorescent light, all of which may not operate properly on a modified sine wave inverter.





PW500 | PRO-WAVE PURE SINE WAVE INVERTER

The ideal companion for taking creature comforts on the road. Delivers reliable power completely noise free allowing sensitive devices to run wherever and whenever desired.

PRO RANGE

500 WATT
12 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZ approved 240V sockets. Inverter designed to Australian standard AS4763



DIGITAL DISPLAY
LCD display provides information on battery voltage, power usage and load capacity



USB OUTPUT SOCKET
2.1A USB-A and 18W USB-C ports for charging most mobiles and portable devices



WIRING KIT
Battery lugs with 1100mm 8mm² battery cable

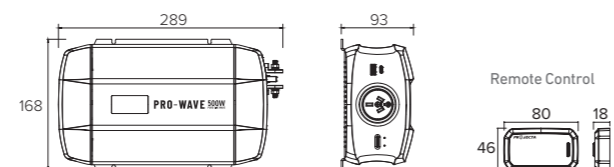


REMOTE CONTROL
LCD display and remote control unit provides information on battery voltage and power usage



SPECIFICATIONS

PART NO.	PW500
INPUT	12V DC, 60A Max
NO LOAD CURRENT DRAW	<0.8A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	500W Continuous 600W 120% surge ≤10 minutes 1000W 200% surge ≤1 second
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85%
LOW BATTERY ALARM	10.5V (±0.3V)
SHUTDOWN	9.9V (±0.3V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	70A (2 x 35A)
USB OUTPUT	USB-C 18W, USB-A 2.1A
IDEAL BATTERY SIZE	35Ah and above
MINIMUM BATTERY SIZE	25Ah
RUN TIME WITH 500W ON 25Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 25Ah BATTERY	2.5 hours
APPROVALS	Electrical Safety, EMC



REPLACEMENT PARTS:
PWREMOTE-1 Remote control to suit Pro-wave inverters



PW1100 | PRO-WAVE PURE SINE WAVE INVERTER

This 1100W inverter is loaded with features found on larger models and is suitable for powering lightweight household appliances. Featuring greater starting power than modified sine wave inverters allowing it to start a wide range of appliances.

PRO RANGE

1100 WATT
12 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZ approved 240V sockets. Inverter designed to Australian standard AS4763



DIGITAL DISPLAY
LCD display provides information on battery voltage, power usage and load capacity



USB OUTPUT SOCKET
2.1A USB-A and 18W USB-C ports for charging most mobiles and portable devices



WIRING KIT
Battery lugs with 1100mm 16mm² battery cable

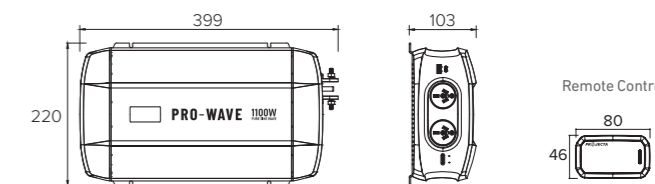


REMOTE CONTROL
LCD display and remote control unit provides information on battery voltage and power usage



SPECIFICATIONS

PART NO.	PW1100
INPUT	12V DC, 130A Max
NO LOAD CURRENT DRAW	<1.0A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	1100W Continuous 1320W 120% surge ≤10 minutes 2200W 200% surge ≤1 second
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85%
LOW BATTERY ALARM	10.5V (±0.3V)
SHUTDOWN	9.9V (±0.3V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	140A (4 x 35A)
USB OUTPUT	USB-C 18W, USB-A 2.1A
IDEAL BATTERY SIZE	75Ah and above
MINIMUM BATTERY SIZE	55Ah
RUN TIME WITH 1100W ON 50Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 55Ah BATTERY	5.5 hours
APPROVALS	Electrical Safety, EMC



**PW1600 | PRO-WAVE****PURE SINE WAVE INVERTER**

Featuring dual AC outlets, the PW1600 has class leading features and performance, making it the perfect unit for running multiple appliances at once.

PRO RANGE**1600 WATT**
12 VOLT**APPLICATION GUIDE****NEW****KEY FEATURES****APPROVED OUTPUT SOCKETS**

AS/NZ approved 240V sockets. Inverter designed to Australian standard AS4763

DIGITAL DISPLAY

LCD display provides information on battery voltage, power usage and load capacity

USB OUTPUT SOCKET

2.1A USB-A and 18W USB-C ports for charging most mobiles and portable devices

WIRING KIT

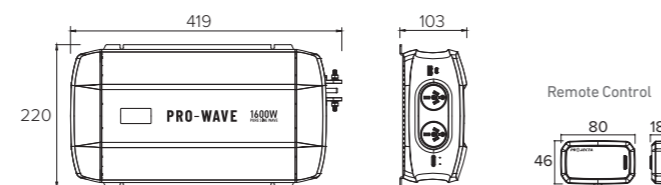
Battery lugs with 1100mm 25mm² battery cable

REMOTE CONTROL

LCD display and remote control unit provides information on battery voltage and power usage

**SPECIFICATIONS**

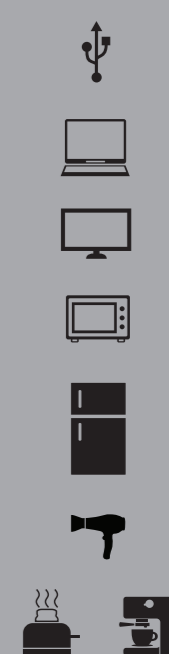
PART NO.	PW1600
INPUT	12V DC, 188A Max
NO LOAD CURRENT DRAW	<1.2A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	1600W Continuous 1920W 120% surge ≤10 minutes 3200W 200% surge ≤1 second
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85%
LOW BATTERY ALARM	10.5V (±0.3V)
SHUTDOWN	9.9V (±0.3V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	200A (5 x 40A)
USB OUTPUT	USB-C 18W, USB-A 2.1A
IDEAL BATTERY SIZE	105Ah and above
MINIMUM BATTERY SIZE	80Ah
RUN TIME WITH 1600W ON 80Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 80Ah BATTERY	8 hours
APPROVALS	Electrical Safety, EMC

**REPLACEMENT PARTS:**

PWREMOTE-1 Remote control to suit Pro-wave inverters

**PW2100 | PRO-WAVE****PURE SINE WAVE INVERTER**

Featuring 4200W startup to power very demanding 240V appliances on the go, including toasters, kettles and air conditioners.

PRO RANGE**2100 WATT**
12 VOLT**APPLICATION GUIDE****NEW****KEY FEATURES****APPROVED OUTPUT SOCKETS**

AS/NZ approved 240V sockets. Inverter designed to Australian standard AS4763

DIGITAL DISPLAY

LCD display provides information on battery voltage, power usage and load capacity

USB OUTPUT SOCKET

2.1A USB-A and 18W USB-C ports for charging most mobiles and portable devices

WIRING KIT

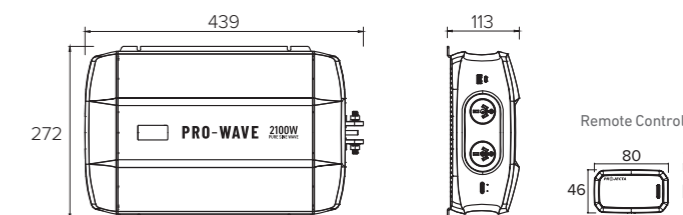
Battery lugs with 1100mm 35mm² battery cable

REMOTE CONTROL

LCD display and remote control unit provides information on battery voltage and power usage

**SPECIFICATIONS**

PART NO.	PW2100
INPUT	12V DC, 247A Max
NO LOAD CURRENT DRAW	<1.4A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	2100W Continuous 2520W 120% surge ≤10 minutes 4200W 200% surge ≤1 second
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85%
LOW BATTERY ALARM	10.5V (±0.3V)
SHUTDOWN	9.9V (±0.3V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	245A (7 x 35A)
USB OUTPUT	USB-C 18W, USB-A 2.1A
IDEAL BATTERY SIZE	110Ah and above
MINIMUM BATTERY SIZE	105Ah
RUN TIME WITH 2100W ON 105Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 105Ah BATTERY	10 hours
APPROVALS	Electrical Safety, EMC



**PW2700 | PRO-WAVE****PURE SINE WAVE INVERTER**

An AC powerhouse, the PW2700 delivers so much starting power it will operate almost any appliance thrown at it.

**NEW****PRO RANGE****2700 WATT
12 VOLT****APPLICATION GUIDE****KEY FEATURES****APPROVED OUTPUT SOCKETS**

AS/NZ approved 240V sockets. Inverter designed to Australian standard AS4763

**DIGITAL DISPLAY**

LCD display provides information on battery voltage, power usage and load capacity

**USB OUTPUT SOCKET**

2.1A USB-A and 18W USB-C ports for charging most mobiles and portable devices

**WIRING KIT**

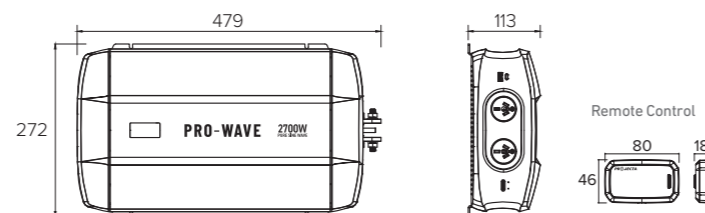
Battery lugs with 1100mm 50mm² battery cable

**REMOTE CONTROL**

LCD display and remote control unit provides information on battery voltage and power usage

**SPECIFICATIONS**

PART NO.	PW2700
INPUT	12V DC, 318A Max
NO LOAD CURRENT DRAW	<1.6A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	2700W Continuous 3240W 120% surge ≤10 minutes 5400W 200% surge ≤1 second
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85%
LOW BATTERY ALARM	10.5V (±0.3V)
SHUTDOWN	9.9V (±0.3V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	350A (10x35A)
USB OUTPUT	USB-C 18W, USB-A 2.1A
IDEAL BATTERY SIZE	180Ah and above
MINIMUM BATTERY SIZE	135Ah
RUN TIME WITH 2700W ON 135Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 135Ah BATTERY	14 hours
APPROVALS	Electrical Safety, EMC

**PRO RANGE****INVERTER ACCESSORIES**

A range of quality components to ensure a professional and secure installation. Including pre-terminated cables in a range of lengths and sizes as well as premium fuse accessories including high current ANL and ANM fuses with suitable protective holders and a circuit breaker option.

RECOMMENDED CABLES

Below are pre-terminated cables to suit our inverters with the recommended gauge for a simple and safe install.

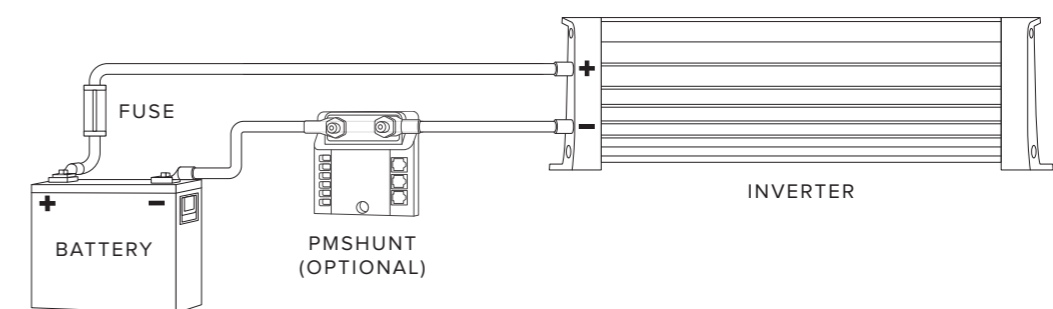
PART NO	SUITABLE INVERTERS	CABLE LENGTH	CABLE SIZE
IWK3	IMW300, IMW600, IMW1000, IMW1000-24, IMW2000-24, PW500, PW1100, IP600, IP1000, IP2000-24	3m	32mm ²
IWK6	IMW2000, PW1600, PW2100, IP1500, IP2000	3m	49mm ²
IWK8	PW2700, IP3000	1.5m	95mm ²
IWK9	IP3000-24	1.5m	70mm ²

RECOMMENDED FUSE

It is recommended that a manual reset circuit breaker or high current fuse be placed in the DC positive (+) line close to the battery to protect the cable from catching fire in the event of a short circuit.



INVERTER SIZE (WATTS)	12 VOLT						24 VOLT		
	300-400	500-600	900-1100	1500-1600	1800-2100	2700-3000	1000 24V	2000 24V	3000 24V
Recommended Protection	IFB-40 40A auto reset circuit breaker	IFB-100 Fuse box with 100A ANL fuse	IFB-150 Fuse box with 150A ANL fuse	IFB-200 Fuse box with 200A ANM fuse	IFB-250 Fuse box with 250A ANL fuse	IFB-350 Fuse box with 350A ANM fuse	IFB-100 Fuse box with 100A ANL fuse	IFB-150 Fuse box with 150A ANL fuse	IFB-200 Fuse box with 200A ANM fuse
Replacement Fuse	-	IF-100 100A ANL fuse	-	IF-200 200A ANM fuse	IF-250 250A ANL fuse	IF-350 350A ANM fuse	IF-100 100A ANL fuse	IF-150 150A ANL fuse	IF-200 200A ANM fuse

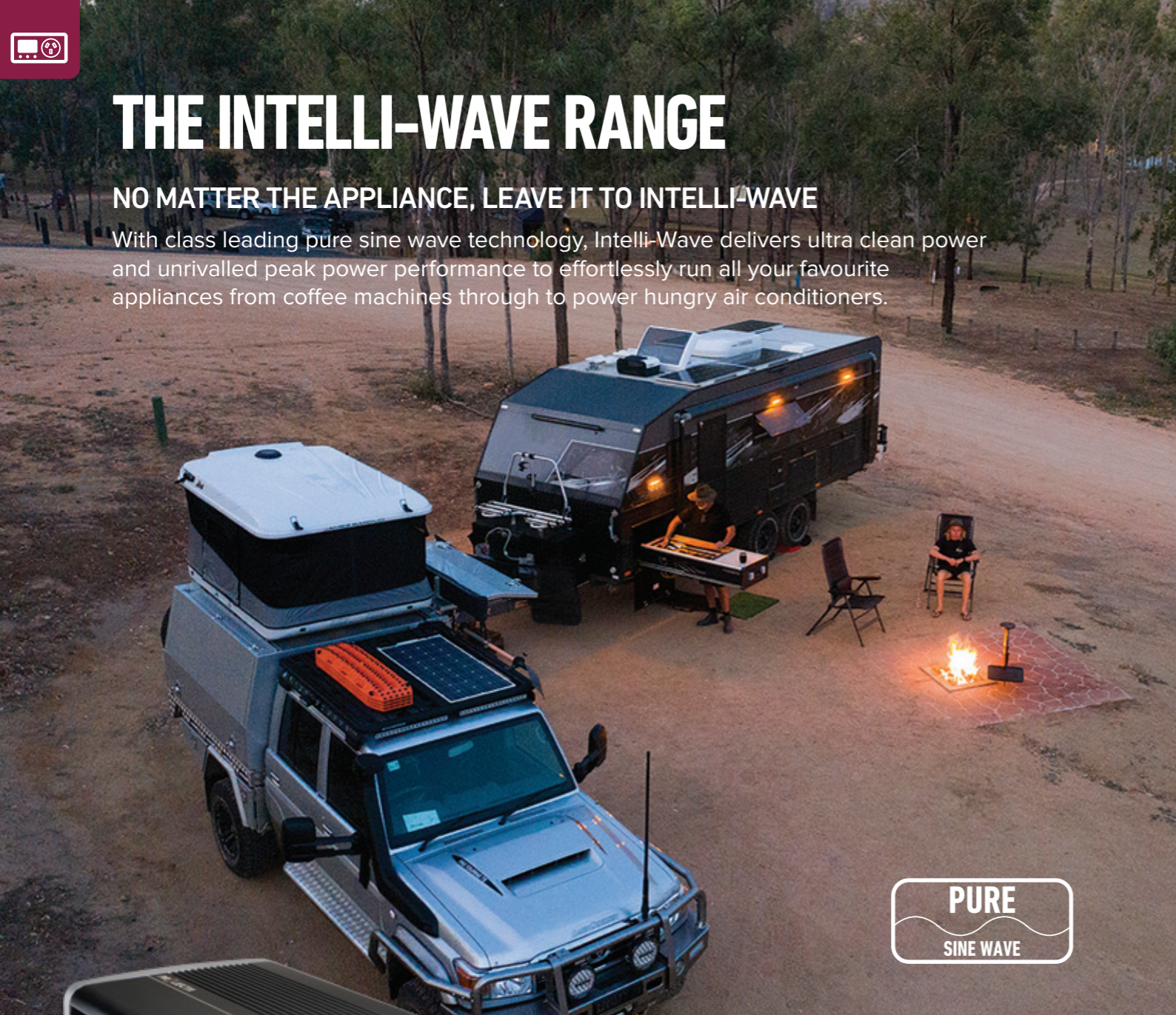
INVERTER WIRING EXAMPLE



THE INTELLI-WAVE RANGE

NO MATTER THE APPLIANCE, LEAVE IT TO INTELLI-WAVE

With class leading pure sine wave technology, Intelli-Wave delivers ultra clean power and unrivalled peak power performance to effortlessly run all your favourite appliances from coffee machines through to power hungry air conditioners.



PURE
SINE WAVE



The Intelli-Wave range of inverters offer unsurpassed reliability along with class leading features and safety. Available from 600 up to 3000 Watts, the full range also includes the convenience of a remote control for off/on switching.



IP600 | 12V 600W



IP1000 | 12V 1000W



IP1500 | 12V 1500W



IP2000 | 12V 2000W



IP2000-24 | 24V 2000W



IP3000 | 12V 3000W



IP3000-24V2 | 24V 3000W

FEATURES & BENEFITS



PEAK POWER



Intelli-Wave inverters feature exceptional peak power performance (200% capacity for 3 secs, 140% capacity for 3 mins) allowing them to effortlessly run demanding appliances such as fridges etc. All Intelli-Wave inverters are designed to Australian standards for safety and peace of mind.



SHOCK & DUST PROOF



Constructed from extruded aluminium, Intelli-Wave inverters are dust proof and shock resistant. The circuit boards have been conformal coated to protect against moisture and other elements so they are suitable for use in a range of locations.



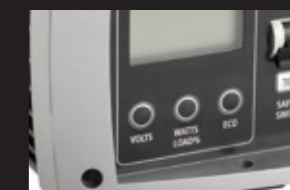
SAFE & EASY



Safety is paramount around 240V and in particular with inverters. All Intelli-Wave inverters are fully electrically isolated and equipotentially bonded (EPB) as per AS4763, ensuring the highest level of safety.



ECO MODE



Eco mode, available on IP2000 and IP3000, draws 10mA per hour and shuts down if no load is detected whereas many other inverters will draw 1Amp per hour when switched on but not in use. This means the difference of 1-2 weeks of life compared to 300+ days.

INTELLI-WAVE REMOTE

The remote control display monitors the inverter's performance and power supply levels while mounting the inverter out of the way and out of sight. Detailed information includes battery voltage (volts) power usage (watts) and load capacity (%). Remote comes with all Intelli-Wave Inverter models.



P/NO. IPREMOTE

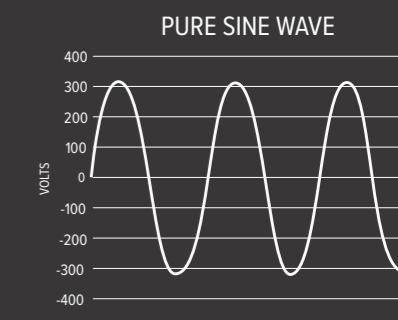
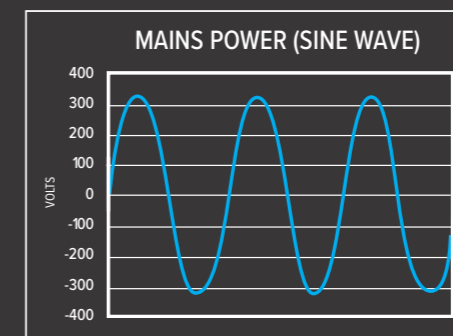
THE INTELLI-WAVE ADVANTAGE

Engineered with the professional user in mind, these super robust and reliable pure sine wave inverters have been designed to handle the rigours of industrial and RV leisure applications. Along with producing ultra clean 240V power, the Intelli-Wave range features class leading 'Peak Power Performance'. This means they have the ability to power devices at 200% of their rated capacity for 3 seconds; in practice this means a 1000 watt Intelli-Wave inverter can power an appliance that requires 2000W at start up. What's more, it can run at 140% (1400W) of its rated capacity for a staggering 3 minutes.

It is no wonder Intelli-Wave is the number one choice for caravan, camper trailer and worksite vehicle manufacturers Australia wide.

PURE SINE WAVE TECHNOLOGY

Intelli-Wave inverters produce ultra clean power, replicating household mains power, ideal for the most sensitive electrical equipment.





INVERTERS

INVERTERS

IP600 | INTELLI-WAVE

PURE SINE WAVE INVERTER

Jam packed with features and delivering class leading performance, the IP600 is the perfect addition for anyone looking for ultra clean power whilst in remote locations. Its rugged construction allows permanent installation making it ideal for camper trailers, 4WDs and work vehicles.

INTELLI RANGE

600 WATT
12 VOLT

APPLICATION GUIDE



KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



REMOTE CONTROL
LCD display and remote control unit provide information on battery voltage, power usage and load capacity



EFFICIENT DESIGN
Thermostatically controlled cooling fan



MOUNTING FLANGE
Convenient and robust mounting points



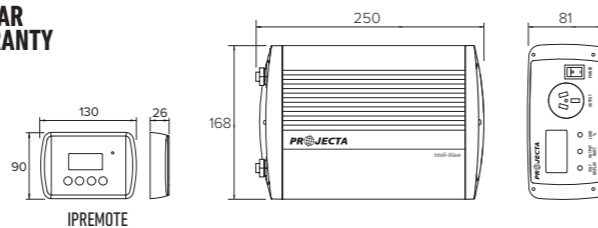
WIRING KIT
Battery lugs with 900mm 6mm² battery cable



SPECIFICATIONS

PART NO.	IP600
INPUT	12V DC, 60A Max
NO LOAD CURRENT DRAW	0.65A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	600W Continuous 840W 140% surge <3 minutes 1200W 200% surge <3 seconds
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V (±0.2V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	110A (2 x 40A, 1 x 30A)
IDEAL BATTERY SIZE	50Ah and above
MINIMUM BATTERY SIZE	30Ah
RUN TIME WITH 600W ON 30Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 30Ah BATTERY	3 hours
APPROVALS	Electrical Safety, EMC

2
YEAR WARRANTY



REPLACEMENT PARTS:
IPREMOTE Remote control

IP1000 | INTELLI-WAVE

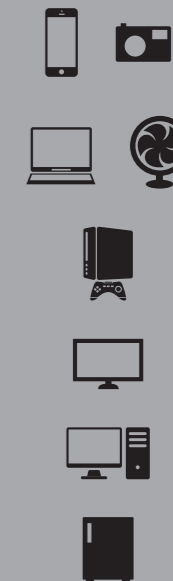
PURE SINE WAVE INVERTER

With a peak power output of an astonishing 2000W, the IP1000 is the ideal inverter for powering all electrical needs that require ultra clean power. Ideal for permanent installation this sophisticated inverter is perfectly suited to caravans and trade requirements.

INTELLI RANGE

1000 WATT
12 VOLT

APPLICATION GUIDE



KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



REMOTE CONTROL
LCD display and remote control unit provide information on battery voltage, power usage and load capacity



EFFICIENT DESIGN
Thermostatically controlled cooling fan



MOUNTING FLANGE
Convenient and robust mounting points



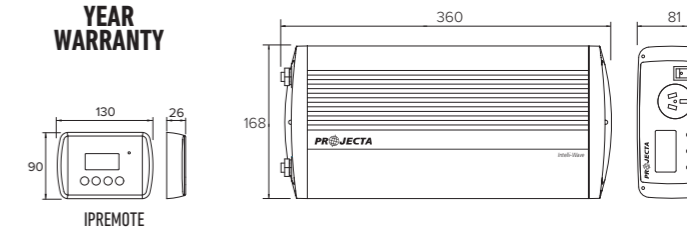
WIRING KIT
Battery lugs with 1100mm 16mm² battery cable



SPECIFICATIONS

PART NO.	IP1000
INPUT	12V DC, 100A Max
NO LOAD CURRENT DRAW	1.2A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	1000W Continuous 1400W 140% surge <3 minutes 2000W 200% surge <3 seconds
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V (±0.2V)
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° (±5°C)
INTERNAL FUSE	220A (4 x 40A, 2 x 30A)
IDEAL BATTERY SIZE	75Ah and above
MINIMUM BATTERY SIZE	50Ah
RUN TIME WITH 1000W ON 50Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	7 hours
APPROVALS	Electrical Safety, EMC

2
YEAR WARRANTY



REPLACEMENT PARTS:
IPREMOTE Remote control



INVERTERS

INVERTERS

IP1500 | INTELLI-WAVE

PURE SINE WAVE INVERTER

Power some demanding 240V appliances on the go, including circular saws, electric irons, angle grinders and coffee machines.

INTELLI RANGE

1500 WATT
12 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



SAFETY 'CUT OUT' SWITCH
RCD provides absolute protection for the user and devices being powered



REMOTE CONTROL
Remote control can be flush or surface mounted



EFFICIENT DESIGN
Thermostatically controlled cooling fan



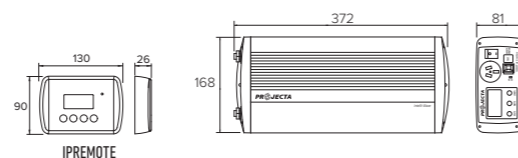
EASY CONNECTION
Pre-terminated wiring kit with 1100mm length allows for easy connection



SPECIFICATIONS

PART NO.	IP1500
INPUT	12V DC Battery/Vehicle (9.75-15.5V DC)
INPUT CURRENT (MAX DC AMPS)	150A
NO LOAD CURRENT DRAW	1A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	1500W Continuous 2100W 140% surge <3 minutes 3000W 200% surge <3 seconds
INVERTER CLASSIFICATION	RCD Protected Inverter
EFFICIENCY	85-90%
LOW BATTERY ALARM SHUTDOWN	9.75V DC (0.25 Volts) Low Battery
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65°C (+/- 5°C)
INTERNAL FUSE	240A
IDEAL BATTERY SIZE	105Ah and above
MINIMUM BATTERY SIZE	75Ah
RUN TIME WITH 1500W ON 75AH BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 75AH BATTERY	7.5 hours
APPROVALS	Electrical Safety (AS/NZS4763:2011), EMC

2 YEAR WARRANTY



REPLACEMENT PARTS:
IPREMOTE Remote control

IP2000 & IP2000-24 | INTELLI-WAVE

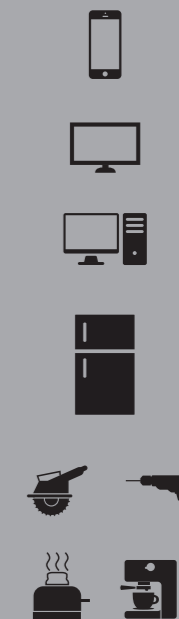
PURE SINE WAVE INVERTER

The IP2000 offers all the class leading features of the Intelli-Wave range with the added benefit of a sophisticated AC transfer switch. Delivering ultra clean power it is ideally suited to the demanding requirements of larger appliances often found in house boats, motor homes, caravans and so on.

INTELLI RANGE

2000 WATT
12 OR 24 VOLT

APPLICATION GUIDE



KEY FEATURES

APPROVED OUTPUT SOCKETS
AS/NZS approved 240V sockets. Inverter complies to Australian standard AS4763 (AS3001 ready)



SAFETY 'CUT OUT' SWITCH
RCD provides absolute protection for the user and devices being powered



AC TRANSFER SWITCH
Ensures seamless flow of power when switching between mains and battery power (Refer p.131)



ECO MODE
Reduces power consumption extending battery run time



REMOTE CONTROL
LCD display and remote control unit provide information on battery voltage, power usage and load capacity



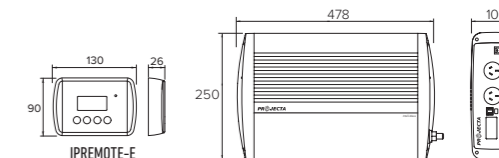
NOTE: Cables provided, 1100mm

REPLACEMENT PARTS:
IPREMOTE-E Remote control with ECO Mode

SPECIFICATIONS

	12 VOLT	24 VOLT
PART NO.	IP2000	IP2000-24
INPUT	12V DC (9.75-15.5VDC)	24V DC (19.5-31.0VDC)
INPUT CURRENT (MAX DC AMPS)	200A	100A
NO LOAD CURRENT DRAW	10mA Eco	
ECO MODE SLEEP	<1W	
ECO MODE WAKE	>6W	
OUTPUT	240VAC, 50Hz (Pure Sine Wave)	
OUTPUT POWER	2000W Continuous 2800W 140% surge <3minutes 4000W 200% surge <3seconds	
INVERTER CLASSIFICATION	RCD Protected Inverter	
EFFICIENCY	85-90%	
LOW BATTERY ALARM SHUTDOWN	10.25 Volt	21.0 Volt
SHUTDOWN	9.75V (±0.2V)	19.5V (±0.2V)
COOLING FAN	Automatic temperature controlled	
THERMAL SHUTDOWN	65° (±5°C)	
INTERNAL FUSE	250A ANM Fuse	
IDEAL BATTERY SIZE	100Ah and above	75Ah and above
MINIMUM BATTERY SIZE	100Ah	50Ah
RUN TIME WITH 2000W ON 100Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 100Ah BATTERY	10 hours	
RUN TIME WITH 2000W ON 50Ah BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	10 hours	
APPROVALS	Electrical Safety, EMC, AS4763	

2 YEAR WARRANTY



REPLACEMENT PARTS:
IPREMOTE-E Remote control with ECO Mode



IP3000 & IP3000-24V2 | INTELLI-WAVE

PURE SINE WAVE INVERTER

Projecta's largest pure sine wave inverter, available in both 12 and 24 volt. Power the most demanding 240V appliances on the go, including air conditioners, induction cook-tops, toasters and kettles.

INTELLI RANGE

3000 WATT
12 OR 24 VOLT

APPLICATION GUIDE



NEW

KEY FEATURES

APPROVED OUTPUT SOCKET
AS/NZS approved 240V sockets. Inverter designed to Australian standard AS4763



SAFETY 'CUT OUT' SWITCH
Safety 'cut-out' switch – RCD provides absolute protection for the user and devices being powered



AC TRANSFER SWITCH
Ensures seamless flow of power when switching between mains and battery power (Refer p.131)



ECO MODE
Eco mode reduces power consumption extending battery run time



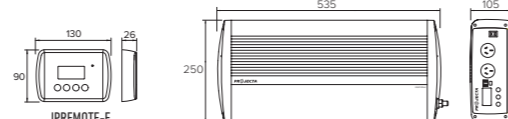
REMOTE CONTROL
Remote control can be flush or surface mounted



SPECIFICATIONS

	12 VOLT	24 VOLT
PART NO.	IP3000	IP3000-24V2
INPUT	12V DC (9.75–15.5VDC)	24V DC (19.5–31.0VDC)
INPUT CURRENT (MAX DC AMPS)	300A	150A
NO LOAD CURRENT DRAW	10mA Eco	
ECO MODE SLEEP	<1W	
ECO MODE WAKE	>6W	
OUTPUT	240VAC, 50Hz (Pure Sine Wave)	
OUTPUT POWER	3000W Continuous 4200W 140% surge <3minutes 6000W 200% surge <3seconds	
INVERTER CLASSIFICATION	RCD Protected Inverter	
EFFICIENCY	85–90%	
LOW BATTERY ALARM	10.25 Volt	21.0 Volt
SHUTDOWN	9.75V (± 0.2V)	19.5V (± 0.2V)
COOLING FAN	Automatic temperature controlled	
THERMAL SHUTDOWN	65°C (±5°C)	
INTERNAL FUSE	525A	300A
IDEAL BATTERY SIZE	200Ah and above	105Ah and above
MINIMUM BATTERY SIZE	150Ah	75Ah
RUN TIME WITH 3000W ON 150AH BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 150AH BATTERY	10 hours	
RUN TIME WITH 3000W ON 75AH BATTERY	30 minutes	
RUN TIME WITH 100W GLOBE ON 75AH BATTERY	10 hours	
APPROVALS	Electrical Safety, EMC, AS4763	

2 YEAR WARRANTY



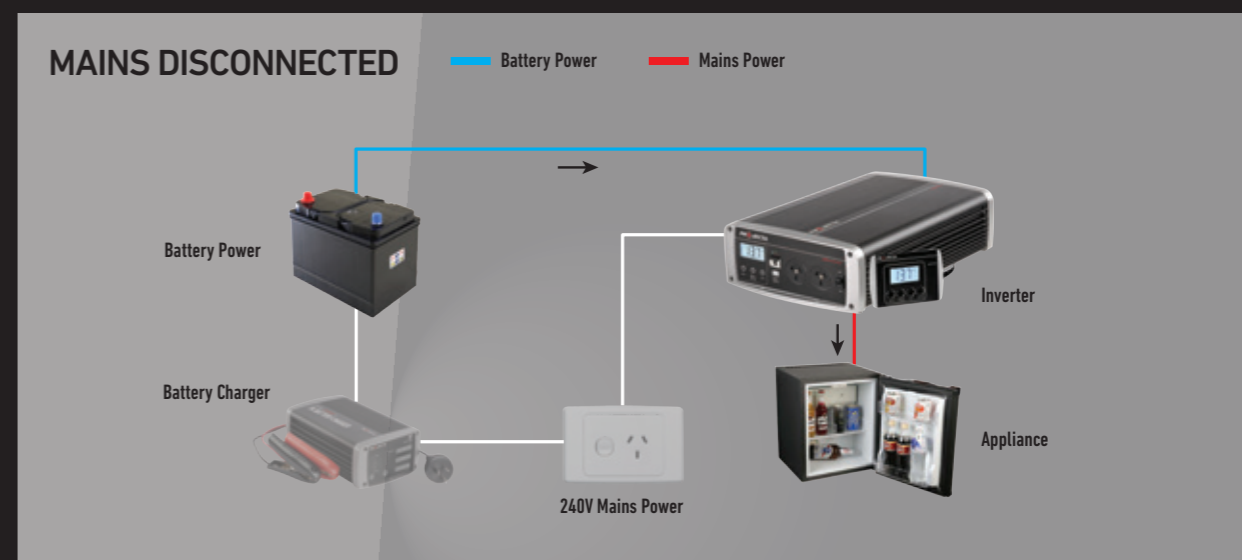
REPLACEMENT PARTS:
IPREMOTE-E Remote control with ECO Mode

INTELLI-WAVE

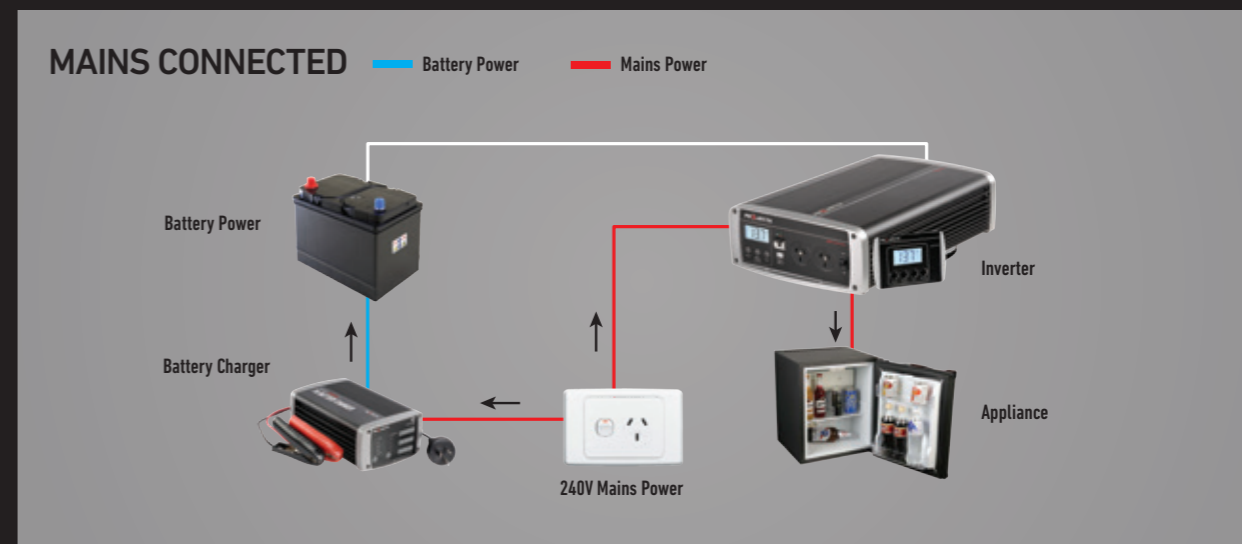
AC TRANSFER SWITCH

Projecta 2000 and 3000 Watt Pure Sine Wave Inverters include a built in automatic AC Transfer Switch. The switch allows an appliance to be powered from either mains power or the inverter (battery power). The inclusion of the AC transfer switch makes it ideal for permanent installation in caravans, motor homes, work vehicles etc ensuring continuous and uninterrupted AC power when switching from battery power to mains power and vice versa. The automatic change-over function means there is no need to manually swap over AC plugs or switch dials between the two power sources.

To ensure a continuous flow of power to the appliance when switching to mains power supply, the IP2000 and IP3000 ranges have been engineered to wait 3 seconds for the power to be steady before switching in a super fast 20 millisecond (0.02 seconds) change-over. This guarantees a smooth change over and means no interruption when running appliances, e.g. TVs won't switch off etc. Keeping the two units independent of one another combines the IP2000 and IP3000 with any size battery charger for the ultimate tailor made set-up, and because they are two separate units, either can operate without the other in the event that one fails.



When mains power is available, the battery charger charges the battery and the mains power passes through the inverter and powers the accessories directly. When the mains is disconnected the battery charger stops working and the appliance automatically switches across to inverter power.





INTELLI-GRID INVERTER/CHARGERS

PROJECTA's inverter chargers are the ideal mobile power partner with surge capability to run any appliance on or off the grid with its built in high speed AC transfer switch and built in high current battery charger.



INVCHR2



INVCHR3



INVCHR3-48V

ALL NEW

2 YEAR WARRANTY



INVERTERS

FEATURES & BENEFITS



HIGH CURRENT CHARGING



With high powered charging it could charge your battery in 2.5 hours from flat.



GRID POWER BOOST



Supplements AC mains power / generator with inverter power, when mains power is limited.



BUILT IN AC TRANSFER SWITCH



Comes with a high speed AC transfer switch without needing to worry about changing switches when connected to mains power.



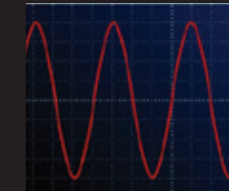
MULTI-CHEMISTRY



Adjustable chemistry designed for use on all types of batteries including Gel, AGM, Wet, Lead-Carbon and Lithium.



LOW FREQUENCY INVERTER



High surge capability to power any appliance like power tools, compressors and sensitive enough to run medical equipment.

PART NO. INVCHR-BT LITHIUM BATTERY BLUETOOTH MONITOR

If the Intelli-Grid inverter / charger is installed for standalone operation then an INVCHR-BTT monitor can be installed with it.

This monitors the batteries State of Charge, current and voltage via phone using Bluetooth.

The monitor communicates directly with the Inverter Charger and the battery so no additional shunts are required making it easy for installation and use.

With a remote battery switch integrated in the monitor, turn the Inverter Charger on and off remotely allowing for the inverter / charger or battery to be stored elsewhere.



INVCHR-BT

INVERTER /CHARGER SELECTION GUIDE

■ Suitable for listed appliance
■ OK, dependent on size and type of appliance

PART NO.	MOBILE PHONE 5-30W	DIGITAL CAMERA 4-19W	PORTABLE STEREO 4-50W	FAN 30-60W	LAPTOP 60-250W	VIDEO GAME CONSOLE 4-50W	POWER TOOL BATTERY CHARGER 5-250W	TV 100-160W	PRINTER 100-300W	PC 200-400W	SMALL FRIDGE 250-350W	SMALL POWER TOOLS 300-500W	MICROWAVE 600-1100W	LARGE FRIDGE 750-1500W	HAIR DRYER 500-2000W	TOASTER 1000-2000W	COFFEE MACHINE 1000-2000W	ANGLE GRINDER 1000-2000W	INDUCTION COOKTOP 500-3000W	AIR COMPRESSOR 1000-3000W	AIR CONDITIONER 2000-3000W	
INVCHR2	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow
INVCHR3	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
INVCHR3-48V	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green



INVCHR2 | INTELLI-GRID

2000W 12V INVERTER / CHARGER

Perfect for powering the most demanding 240V appliances on the go this inverter/charger is ideal for operating on or off the grid. An RCD is included to ensure maximum safety for the unit and operator.

NEW



LITHIUM COMPATIBLE

INTELLI RANGE

2000W
12 VOLT

APPLICATION GUIDE



KEY FEATURES

HIGH CURRENT CHARGING
With the high powered charging it could charge your battery in 2.5 hours from flat.



GRID POWER BOOST
Supplements AC mains power / generator with inverter power, when Shore power is limited



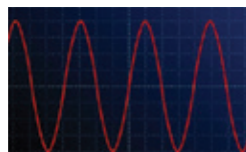
BUILT IN AC TRANSFER SWITCH
Ensures seamless flow of power when switching between mains and battery power



MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet, Lead-Carbon and Lithium

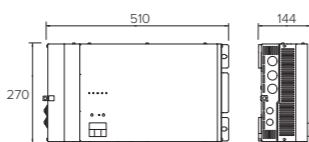


LOW FREQUENCY INVERTER
High surge capability to power any appliance like power tools, compressors and sensitive enough to run medical equipment



SPECIFICATIONS

PART NO.	INVCHR2
240V CHARGING	
CHARGE TYPE	5 Stage Automatic
INPUT	240VAC, 50/60Hz, 32A(max)
OUTPUT	12V, 120A
BATTERIES SUPPORTED	GEL, AGM, Wet, Lithium
TEMPERATURE COMPENSATION	Yes
INVERTER	
INPUT	12V (10.5~17V)
OUTPUT	220 / 230 / 240 VAC
FREQUENCY	50/60 Hz
OUTPUT POWER	2000W (4000W Peak)
GRID BOOST OUTPUT	24Amps, (Mains supply + 8.3Amps inverter)
AC TRANSFER	<2mSec
OPERATING TEMPERATURE	-20 ~ 65°C
WEIGHT	17Kg
IP RATING	IP20
STANDBY CURRENT	1.4A
APPROVALS	EMC, AS/NZS 60335.2.29

2
YEAR
WARRANTY

INVCHR3 & INVCHR3-48V | INTELLI-GRID

3000W 12V OR 48V INVERTER / CHARGER

This 3000W Inverter/Charger is ideal for serious power hungry consumers who require lots of power for all their creature comforts on the road. An RCD (INVCHR3 only) is included to ensure maximum safety for the unit and operator.

NEW



LITHIUM COMPATIBLE

INTELLI RANGE

3000W
12 OR 48 VOLT

APPLICATION GUIDE



KEY FEATURES

HIGH CURRENT CHARGING
With the high powered charging it could charge your battery in 2.5 hours from flat.



GRID POWER BOOST
Supplements AC mains power / generator with inverter power. When Shore power is limited



BUILT IN AC TRANSFER SWITCH
Ensures seamless flow of power when switching between mains and battery power



MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet, Lead-Carbon and Lithium

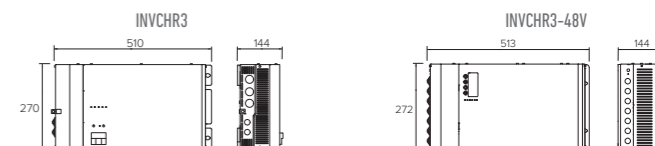


LOW FREQUENCY INVERTER
High surge capability to power any appliance like power tools, compressors and sensitive enough to run medical equipment



SPECIFICATIONS

	12 VOLT	48 VOLT
PART NO.	INVCHR3	INVCHR3-48V
240V CHARGING		
CHARGE TYPE	5 Stage Automatic	
INPUT	240VAC, 50/60Hz, 32A(max)	
OUTPUT	12V, 180A	48V, 40A
BATTERIES SUPPORTED	GEL, AGM, Wet, Lithium	
TEMPERATURE COMPENSATION	Yes	
INVERTER		
INPUT	12V (10.5~17V)	48V (42~68V)
OUTPUT	220 / 230 / 240 VAC	
FREQUENCY	50/60 Hz	
OUTPUT POWER	3000W (6000W Peak)	
GRID BOOST OUTPUT	28Amps, (Mains supply + 12.5Amps inverter)	
SOLAR CONTROLLER		
SOLAR CHARGE CONTROL	N/A	MPPT
MAX OUTPUT CURRENT	N/A	30Amps
SOLAR OPEN CIRCUIT VOLTAGE	N/A	150Volts
MPPT VOLTAGE RANGE	N/A	65~145V
AC TRANSFER	<2mSec	
OPERATING TEMPERATURE	-20 ~ 65°C	
WEIGHT	21Kg	20Kg
IP RATING	IP20	
STANDBY CURRENT	1.4A	
APPROVALS	EMC, AS/NZS 60335.2.29	

2
YEAR
WARRANTY



DUAL BATTERY SYSTEMS & ACCESSORIES

INTELLI-CHARGE DC TO DC CHARGERS 140

Advanced auxiliary battery chargers that utilise both solar and the vehicle's power to deliver a comprehensive multi-stage charge

DUAL BATTERY SYSTEMS 148

A comprehensive range of dual battery management units and kits

BATTERY METERS 159

Compact and accurate dual battery voltage meters for keeping tabs on power usage

BATTERY TRAYS & ACCESSORIES 164

An extensive range of battery trays and hold down clamps

PORTABLE POWER BOXES 174

A range of battery boxes that convert a battery into a useful power source





DUAL BATTERY SYSTEMS QUICK SELECTION GUIDE



PORTABLE SOLUTION




12V
10 POWER OUTLETS
300W INVERTER

PORTABLE POWER HUB

Part Number	PH125
10 Power Outlets	Merit, USB, cigarette, fridge, heavy duty, AC
300-Watt inverter	To compliment 240V power

60-140Ah BATTERY **12V**



12V 120W

FOLDING SOLAR PANEL KIT

Part Number	SPM120K
Suits Deep Cycle Battery 40-200Ah	7-35h charge time
Rated Power	120W
Short Circuit Current	7.52A
Peak Power Voltage	17.5V

APPLIANCE GUIDE



IN-VEHICLE SOLUTIONS




5 STAGE
25 AMP

INTELLI-CHARGE DC/DC DUAL BATTERY CHARGER

Part Number	IDC25X
Charge type	5 Stage Charger
Battery capacity	50-300Ah
Max Solar Input	32Vdc, 400W
Batteries supported	GEL, AGM, WET, Calcium & Lithium

50-300Ah BATTERY **12V**



12V 120W

FOLDING SOLAR PANEL KIT

Part Number	SPM120K
Suits Deep Cycle Battery 40-200Ah	7-35h charge time
Rated Power	120W
Short Circuit Current	7.52A
Peak Power Voltage	17.5V

APPLIANCE GUIDE





5 STAGE
25 AMP

INTELLI-CHARGE DC/DC DUAL BATTERY CHARGER

Part Number	IDC25X
Charge type	5 Stage Charger
Battery capacity	50-300Ah
Max Solar Input	32Vdc, 400W
Batteries supported	GEL, AGM, WET, Calcium & Lithium

50-300Ah BATTERY **12V**



12V 180W

FOLDING SOLAR PANEL KIT

Part Number	SPM180K
Suits Deep Cycle Battery 40-300Ah	7-35h charge time
Rated Power	180W
Short Circuit Current	11.0A
Peak Power Voltage	18V

APPLIANCE GUIDE

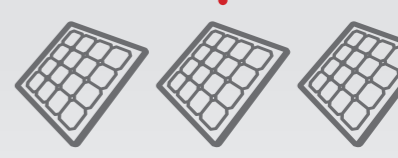



5 STAGE
50 AMP

INTELLI-CHARGE DC/DC DUAL BATTERY CHARGER

Part Number	IDC50X
Charge type	5 Stage Charger
Battery capacity	100-600Ah
Max Solar Input	32Vdc, 800W
Batteries supported	GEL, AGM, WET, Calcium & Lithium

100-600Ah BATTERIES **12V**




12V 160W†

FIXED SOLAR PANELS

Part Number	SPP160-MC4
Suits Deep Cycle Battery 60-280Ah	7-35h charge time
Rated Power	160W†
Short Circuit Current	10.1A†
Peak Power Voltage	17.5V†

†Per panel

APPLIANCE GUIDE



*This is strictly for use as a guide only.



INTELLI-CHARGE DC TO DC CHARGERS

THE MOST ADVANCED DC-DC CHARGER

Projecta's next generation DC to DC dual battery charger starts with an all new design, taking what made the previous range great and developing a DC to DC charger that pushes the envelope in every facet.



MULTI-CHEMISTRY VERSATILITY

IDCX range now features multi-chemistry DC-DC charging. The sophisticated technology allows IDCX to charge Wet, AGM, Calcium & Lithium batteries. The IDCX has 3 stage charging for Wet, AGM & Calcium batteries. The first stage (BULK) charges the battery faster while the second stage (Absorption) ensures the battery is thoroughly charged. The third stage (Float) maintains the battery at 100% charge.

A 5 stage charge is delivered to a lithium battery. First stage (Soft Start 1) increases battery life by gently starting to charge the battery 5% of bulk. Second stage (Soft Start 2) increases battery life by gently starting to charge the battery 25% of bulk. The remaining 3 stages are bulk, absorption & float.



IDC25X | 9-32V 25A



IDC50X | 9-32V 50A

ALL NEW



FEATURES & BENEFITS

DUAL INPUT OPERATION



Simultaneous dual battery charging from both solar and alternator inputs (9-32V) with no manual switching required. The unit prioritises solar charging as its default and automatically adjusts to the alternator if sunlight is insufficient, reducing the power usage placed on the vehicle's electrical system.

TOUGH & RELIABLE



IDCX is now IP69K ensuring it can withstand the toughest of conditions. All connections into the IDCX are done via brass posts and crimped terminals. Ideal for mounting in the engine bay. IDCX range uses temperature compensation to keep charging at 25A even when ambient temperatures are high.

SMART DC-DC CHARGING



Paired with Intelli-IQ, IDCX allows advanced control of the dual battery system including bluetooth connectivity to an iOS or Android device.

MULTI-CHEMISTRY CHARGING

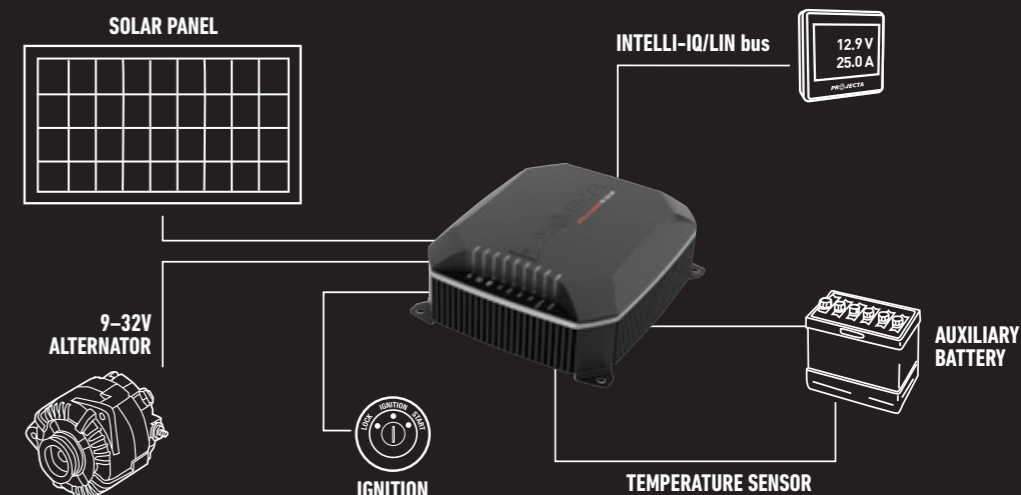


The IDCX range of chargers suit today's different battery technologies, including everyday automotive batteries and the newer lithium battery technology. For automotive batteries, multi-chemistry technology enables the user to tailor the charging profile to suit the battery type: AGM, GEL, WET, Calcium and Lithium batteries.

PARALLEL CHARGING

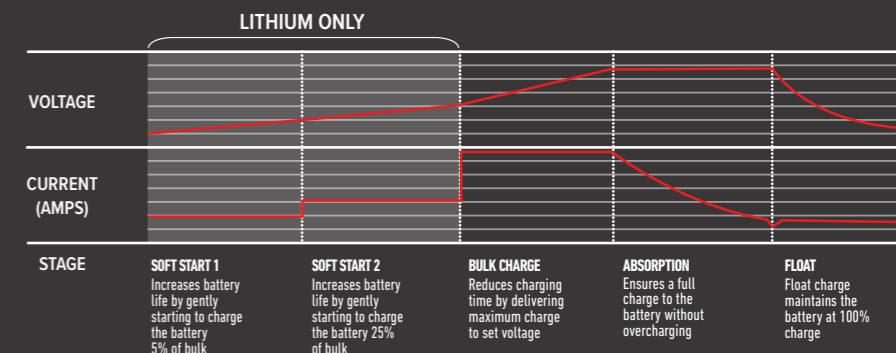


IDCX can be parallel wired to provide more charging current for larger systems. This flexibility gives users the option to add another IDCX into their system should power requirements change. For example a IDC25X and IDC50X would provide total charging current of 75A (25A + 50A = 75A).



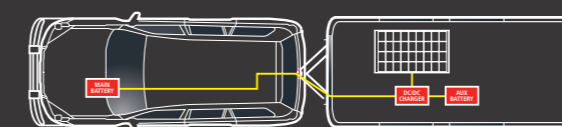
MULTI-STAGE CHARGING

Utilising sophisticated electronics, the IDCX range of dual battery chargers provide an advanced multi-stage charging process to produce a safe and comprehensive charge, a must for deep cycle and lithium batteries.



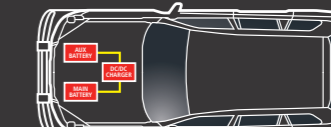
CARAVAN INSTALLATION

Combines a vehicle's solar and alternator power to deliver a comprehensive multi stage charge ensuring longer battery life and performance.



4WD INSTALLATION

A sophisticated dual battery charger engineered for in-vehicle or under bonnet installation on vehicles fitted with traditional or smart alternators.



IDCX & INTELLI-IQ

UNPARALLELED CONNECTIVITY & CONTROL

Projecta's IDCX & Intelli-IQ revolutionises dual battery systems. IDCX is the most advanced DC to DC charger and when coupled with the Intelli-IQ it creates limitless possibilities in controlling devices and accessories connected to the system.

FEATURES & BENEFITS



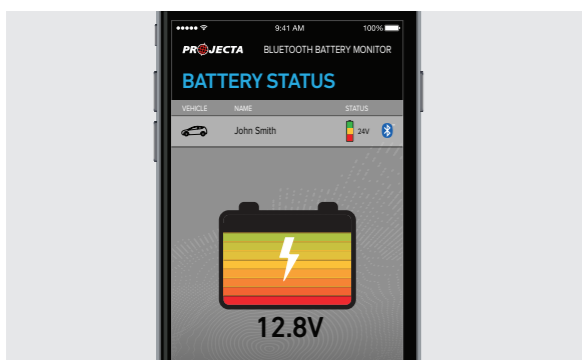
LIN BUS HUB

Intelli-IQ incorporates LIN bus technology. This introduction of LIN bus results in the ability to connect multiple devices to a LIN bus hub and have them controlled from the Intelli-IQ. No need for complicated wiring or multiple switches – Intelli-IQ gives control over multiple devices.



SMART MONITOR

Intelli-IQ is Projecta's smartest monitor. It can display Start & Aux battery voltage, input/output current, programmable low power disconnect and much more. See page 161.



BLUETOOTH CONNECTIVITY

Intelli-IQ has Bluetooth iOS & Android connectivity allowing giving users advanced control and information up to 10 metres from the Intelli-IQ.

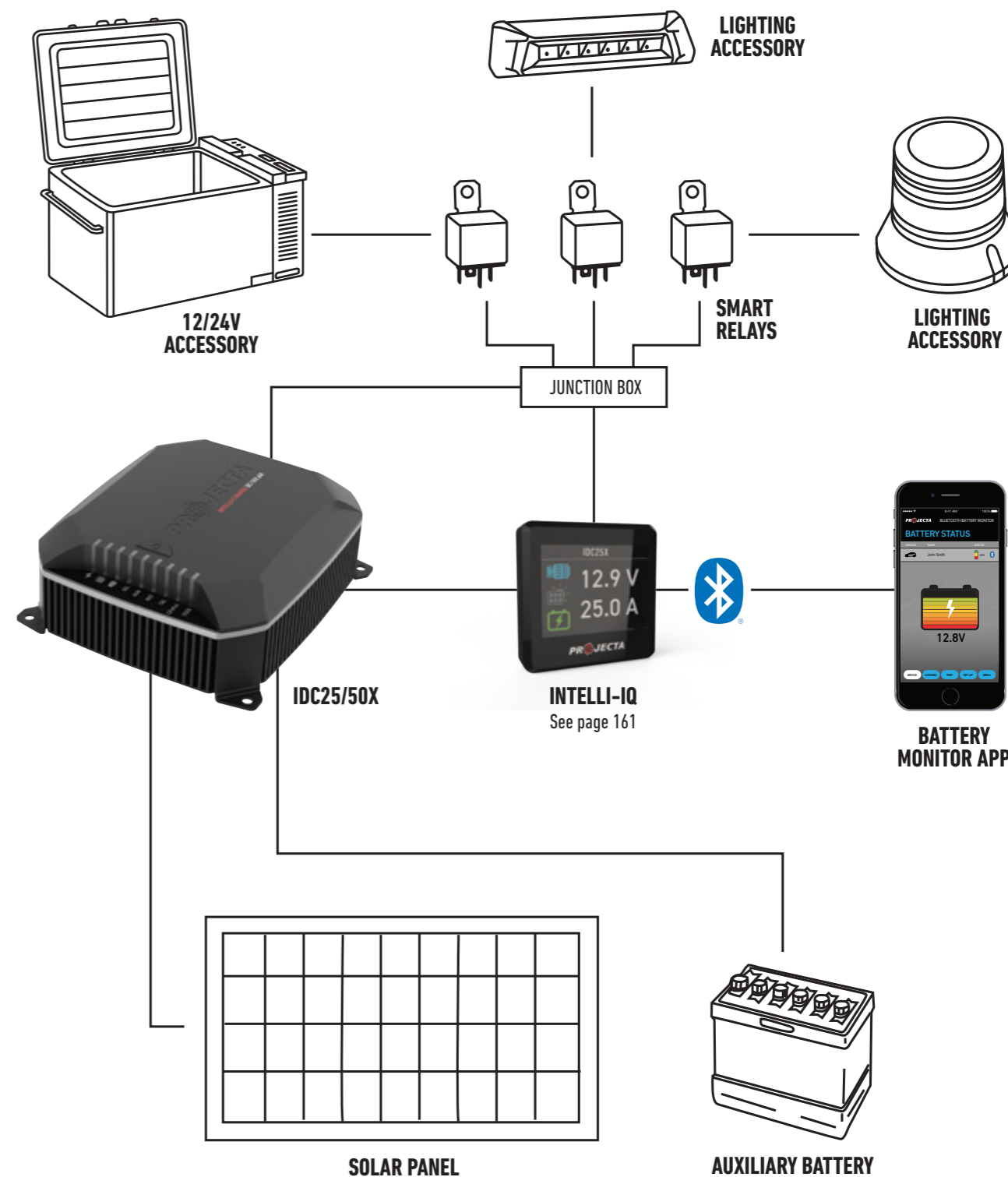


FUTURE PROOF

Intelli-IQ was designed to stand the test of time, not only in reliability and quality, but functionality. Intelli-IQ firmware can be updated via a Bluetooth iOS & Android device, ensuring maximum reliability and functionality well into the future.

INTELLI-IQ CONNECTION EXAMPLE

Intelli-IQ's ability to connect to IDCX and relays allows users to tailor their dual battery system and accessories.





IDC25X | INTELLI-CHARGE DC TO DC CHARGER

MULTI-CHEM | 9-32V DUAL BATTERY CHARGER

Projecta's next generation in dual battery management, ideal for 4WD and camper trailer applications. Provides an advanced charge simultaneously from both solar and alternator inputs. Market leading temperature compensation allows IDC25X to provide 25A charge both in hot and cold climates making it ideal for under bonnet installation.

INTELLI RANGE

5 STAGE
25 AMP

APPLICATION GUIDE



BATTERY SIZE

50Ah - 300Ah

NEW



LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

RELIABLE OPERATION
All connections on the IDCX are made directly on the unit. This ensures a perfect connection to the unit

ENGINEERED TOUGH
Sealed to IP69K, the IDCX is protected against close range high pressure and temperature water spray as well as dust protection

INTELLI-IQ INTEGRATION
IDCX paired with Intelli-IQ gives IDCX the ability to be controlled via Bluetooth. Refer to page 161 for further information on Intelli-IQ

TOTAL SAFEGUARD PROTECTION
Over temperature, reverse connection, over/under protection with inbuilt fuses in a potted chassis

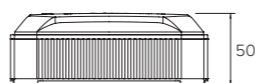
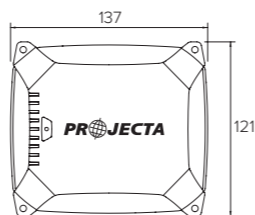
MULTI-CHEMISTRY TECHNOLOGY
Engineered for use with today's modern battery chemistry types: AGM, Gel, Wet, Calcium and Lithium



SPECIFICATIONS

PART NO.	IDC25X IDC25XIQ - IDC25X Plus IQD2 Display
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT	32Vdc, 400W
OUTPUT CURRENT	Input 9-11Vdc 20A, Input 11-32Vdc 25A
BATTERY SUPPORTED	Gel, AGM, Wet, Calcium, Lithium
STANDBY CURRENT	8mA
OPERATING TEMPERATURE	-10°C to +80°C
SMART ALTERNATOR	12V VEHICLE 24V VEHICLE
	Turn On 12.2-20V 24.4-32V
	Turn Off <11.9V <24V
CONVENTIONAL ALTERNATOR	
	Turn On 13.4-20V 26.8-32V
	Turn Off <12.8V <25.6V
APPROVALS	EMC

2
YEAR
WARRANTY



REPLACEMENT PARTS: **IDC25XC** IDC25X Cover **IDCXFS** IDCX Lug Fasteners (Set 4) **IDC25XLS** IDC25X Lugs (Set 4) **IDCXTMP** IDCX Temp Sensor Loom **IDCXBTS** IDCX Blade Terminals
ACCESSORIES: **IDCXGDB** IDCX Ground Distribution Block **FK25A** Fuse Kit to suit IDC25X



IDC50X | INTELLI-CHARGE DC TO DC CHARGER

MULTI-CHEM | 9-32V DUAL BATTERY CHARGER

Projecta's next generation in dual battery management, ideal for large battery setups found in 4WD canopies, camper trailers and caravans. Provides an advanced charge simultaneously from both solar and alternator inputs. Market leading temperature compensation allows IDC50X to provide 50A charge both in hot and cold climates making it ideal for under bonnet installation.

INTELLI RANGE

5 STAGE
50 AMP

APPLICATION GUIDE



BATTERY SIZE

100Ah - 600Ah

NEW



LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

RELIABLE OPERATION
All connections on the IDCX are made directly on the unit. This ensures a positive connection to the unit

ENGINEERED TOUGH
Sealed to IP69K, the IDCX is protected against close range high pressure and temperature water spray as well as dust protection

INTELLI-IQ INTEGRATION
IDCX paired with Intelli-IQ gives IDCX the ability to be controlled via Bluetooth. Refer to page 161 for further information on Intelli-IQ

TOTAL SAFEGUARD PROTECTION
Over temperature, reverse connection, over/under protection with inbuilt fuses in a potted chassis

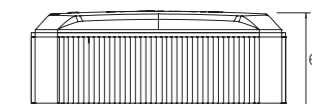
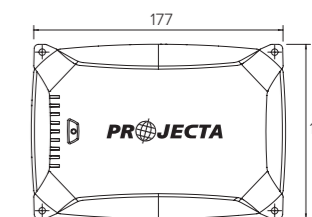
MULTI-CHEMISTRY TECHNOLOGY
Engineered for use with today's modern battery chemistry types: AGM, Gel, Wet, Calcium and Lithium



SPECIFICATIONS

PART NO.	IDC50X IDC50XIQ - IDC50X Plus IQD2 Display
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT	32Vdc, 800W
OUTPUT CURRENT	Input 9-11Vdc 37A, Input 11-32Vdc 50A
BATTERY SUPPORTED	Gel, AGM, Wet, Calcium, Lithium
STANDBY CURRENT	8mA
OPERATING TEMPERATURE	-10°C to +80°C
SMART ALTERNATOR	12V VEHICLE 24V VEHICLE
	Turn On 12.2-20V 24.4-32V
	Turn Off <11.9V <24V
CONVENTIONAL ALTERNATOR	
	Turn On 13.4-20V 26.8-32V
	Turn Off <12.8V <25.6V
APPROVALS	EMC

2
YEAR
WARRANTY



REPLACEMENT PARTS: **IDC50XC** IDC50X Cover **IDCXFS** IDCX Lug Fasteners (Set 4) **IDC50XLS** IDC50X Lugs (Set 4) **IDCXTMP** IDCX Temp Sensor Loom **IDCXBTS** IDCX Blade Terminals
ACCESSORIES: **IDCXGDB** IDCX Ground Distribution Block



PMDCS30 & PMDCS60 | INTELLI-CHARGE DC TO DC CHARGER

DC-DC 12V CHARGERS

Smart DC to DC chargers specifically designed for Intelli-RV and Intelli-Grid. Users can choose between 30A or 60A units. PMDCS30 and PMDCS60 can be used independent from the Intelli Grid system.

INTELLI RANGE

30 AMP
60 AMP
12 VOLT

INTELLI RANGE

30 AMP
12 VOLT



NEW



LITHIUM BATTERY COMPATIBLE

NEW



LITHIUM BATTERY COMPATIBLE

FEATURES
20 AMP BYPASS

KEY FEATURES

CHARGING TYPE

DC to DC charging used to compensate for any voltage drop between the alternator and the tow vehicle, optimising charge to the battery

ADAPTIVE INPUT & OUTPUT

Adaptive input adapts to smaller cables or excessive runs without overloading wiring

MULTI-CHEMISTRY

Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet and Lithium

IGNITION OVERRIDE

Can act as an ignition override for smart alternators

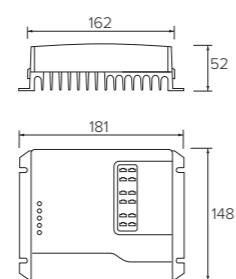
TEMPERATURE COMPENSATION

Temperature compensation to eliminate effects of a change in temperature



SPECIFICATIONS

	30 AMP	60 AMP
PART NO.	PMDCS30	PMDCS60
CHARGE TYPE	5 Stage	
ALTERNATOR INPUT VOLTAGE	12-16V	
OUTPUT	12V, <30A	12V, <60A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium	
ALTERNATOR TYPE	Smart & Conventional	
STORAGE TEMPERATURE	-40~70°C	
OPERATING TEMPERATURE	-40~70°C	
TEMPERATURE COMPENSATION	-3mV/°C/Cell	
IP RATING	IP20	
WEIGHT	1.0Kg	
COOLING	Convection	
SMART ALTERNATOR	Turn on 12.2V Turn off 11.6V	
CONVENTIONAL	Turn on 13.2V Turn off 12.8V	
APPROVALS	EMC	



KEY FEATURES

CHARGING TYPE

30A DC to DC charging used to compensate for any voltage drop between the alternator and the tow vehicle, optimising charge to the battery

RELAY

When the engine is running, a relay engages directing alternator power to the 3 way fridge allowing full charge current to the battery

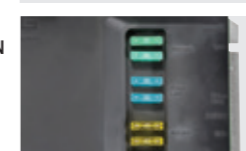
ADAPTIVE INPUT & OUTPUT

Adaptive input adapts to smaller cables or excessive runs without overloading wiring

MULTI-CHEMISTRY

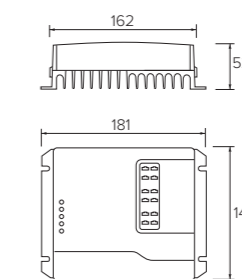
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet and Lithium

IGNITION OVERRIDE & TEMPERATURE COMPENSATION
Can act as an ignition override for smart alternators and help to eliminate effects of a change in temperature



SPECIFICATIONS

PART NO.	PMDCS30-20
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	12V, <30A
BYPASS RELAY OUTPUT	12V, 20A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
ALTERNATOR TYPE	Smart & Conventional
STORAGE TEMPERATURE	-40~70°C
OPERATING TEMPERATURE	-40~70°C
TEMPERATURE COMPENSATION	-3mV/°C/Cell
IP RATING	IP20
WEIGHT	1.0Kg
COOLING	Convection
SMART ALTERNATOR	Turn on 12.2V Turn off 11.6V
CONVENTIONAL	Turn on 13.2V Turn off 12.8V
APPROVALS	EMC



Scan to see how 20A bypass works



DUAL BATTERY SYSTEMS RANGE

SWITCH ON TO PROJECTA DUAL BATTERY SYSTEMS

Featuring the very best materials from heavy-duty cable for maximum current transfer and minimal voltage drop, high quality lugs, connectors and mounting bracketry, in addition to a fused distribution terminal supplied with each high end dual battery system. This cleverly converts the positive battery post of the auxiliary battery into 3 fused outlets.



FEATURES & BENEFITS

VOLTAGE SENSITIVE RELAY



Suitable for a wide variety of 12V DC applications, the VSR units sense the input voltage generated and automatically connect/disconnect the appliance or circuit at pre-set voltages. Fully sealed to IP66 and surge protected, the VSR units are ideal for dual battery setups as they enable the batteries to be paralleled for high power usage, eg. jump starting or winching.

ELECTRONIC DUAL BATTERY SYSTEMS



Projecta's proven dual battery system, offering ease of installation and intelligent voltage sensing electronics for total automatic operation. Featuring a useful manual override function, the unit allows the user to be able to parallel the batteries together for jump starting in the instance of a flat main battery. Further to this, they boast intelligent over current and surge protection for total peace of mind.

COMPREHENSIVE KITS



As well as individual controllers, comprehensive kits are also available, including premium quality accessories: distribution terminals, lugs, heatshrink strips, lengths of appropriate gauge wire, associated screws and fittings and more. Everything needed to install the kits is supplied, guaranteeing a quality and professional fitment.

WHY ISOLATE YOUR BATTERIES?

A dual battery system (DBS) is recommended when needing to run powerful accessories, such as an inverter, fridge, or a tail gate loader on a truck, while the vehicle's engine is turned off.

A DBS allows accessories to run from an auxiliary battery that is independent of the starting battery, but is charged while the engine is running. A DBS ensures there is always enough power in the starting battery to start the vehicle. The auxiliary battery can be a different size and type to the main battery.



VSR100 | 12V 100A



VSR150 | 12V 150A



DBC100 | 12V 100A



DBC150 | 12V 150A



VSR100K | 12V 100A KIT



VSR150K | 12V 150A KIT



DBC100K | 12V 100A KIT



DBC150K | 12V 150A KIT





VSR100 | DUAL BATTERY SYSTEMS

VOLTAGE SENSITIVE RELAY

The perfect 'no-fuss' power management controller suitable for a wide variety of 12V DC applications, eg. winching etc.



100 AMP
12 VOLT

APPLICATION GUIDE



KEY FEATURES

L.E.D INDICATOR
L.E.D illuminates when VSR is activated



SEALED ELECTRONICS
Prevents dust and water ingress (IP66)



SURGE PROTECTION
Built-in protection guards vehicle against voltage spikes



MANUAL OVERRIDE
Bypasses automatic settings allowing relay to engage below set voltages

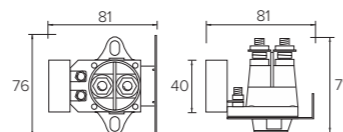


SILVER PLATED CONTACTS
Provides exceptional current transfer



SPECIFICATIONS

PART NO.	VSR100
VOLTAGE	12V
CHARGING CURRENT	100A Continuous, 200A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	8 seconds
MINIMUM OPERATING VOLTAGE	10V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall
CURRENT DRAW	Charging 550mA (standby 10mA)
SURGE PROTECTION	Built-in
INGRESS PROTECTION	IP66
OVERRIDE	Requires min. 10V
RECOMMENDED FUSE	150A
MINIMUM CABLE SIZE	14mm ² (6 B&S)
APPROVAL	EMC



VSR150 | DUAL BATTERY SYSTEMS

VOLTAGE SENSITIVE ISOLATOR

A programmable voltage sensitive isolator suitable for dual battery systems in any large 4WD, caravan or marine application.



150 AMP
12 VOLT

APPLICATION GUIDE



KEY FEATURES

PROGRAMMABLE PARAMETERS
The voltage and delay time are adjustable to suit various needs



BATTERY MANAGEMENT
The VSR eliminates the possibility of excessive discharging and overcharging of batteries



BATTERY PROTECTION
Delayed on/off functionality, designed to prevent peak and surge shock to batteries

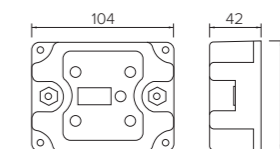


DESIGNED TOUGH
Dust and water resistant to IP65 ensuring maximum reliability no matter the conditions. Supplied with 316 stainless steel hardware



SPECIFICATIONS

PART NO.	VSR150
VOLTAGE	12V
CHARGING CURRENT	125A Continuous, 150A Peak
CUT-IN VOLTAGE	13.3V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	10 Seconds
MINIMUM OPERATING VOLTAGE	One battery above 8V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 300mA (standby 5mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC





VSR100K | DUAL BATTERY SYSTEMS

VOLTAGE SENSITIVE RELAY KIT

An affordable and reliable, easy to install dual battery management system that requires no modification to the vehicle's original wiring.

100 AMP
12 VOLT

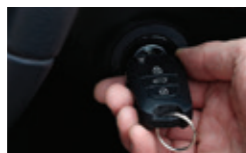
APPLICATION GUIDE



KEY FEATURES

PRIORITY CHARGING

Ensures main battery is charged before connecting to auxiliary



COMPREHENSIVE KIT

Includes everything for an easy and professional installation



MANUAL OVERRIDE

Can be used to jump start your vehicle in the event of a flat starting battery



SURGE PROTECTION

Built-in protection guards vehicle against voltage spikes



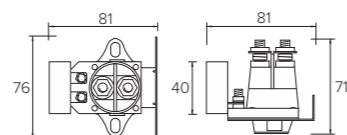
L.E.D INDICATOR

L.E.D illuminates when VSR is activated



SPECIFICATIONS

PART NO.	VSR100K
VOLTAGE	12V
CHARGING CURRENT	100A Continuous, 200A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	8 seconds
MINIMUM OPERATING VOLTAGE	10V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall
CURRENT DRAW	Charging 550mA (standby 10mA)
SURGE PROTECTION	Built-in
INGRESS PROTECTION	IP66
OVERRIDE	Requires min. 10V
RECOMMENDED FUSE	150A
APPROVAL	EMC



VSR150K | DUAL BATTERY SYSTEMS

VOLTAGE SENSITIVE ISOLATOR KIT

A comprehensive dual battery kit with programmable voltage sensitive isolator, requiring no modification to vehicle's original wiring, ideal for larger 4WDs, caravans and boats.

150 AMP
12 VOLT

APPLICATION GUIDE



KEY FEATURES

PROGRAMMABLE PARAMETERS

The voltage and delay time are adjustable to suit various needs



COMPREHENSIVE KIT

Includes everything for an easy and professional installation



BATTERY MANAGEMENT

The VSR eliminates the possibility of excessive discharging and overcharging of batteries



BATTERY PROTECTION

Delayed on/off functionality, designed to prevent peak and surge shock to batteries



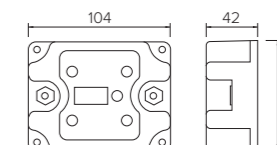
DESIGNED TOUGH

Dust and water resistant to IP65 ensuring maximum reliability no matter the conditions. Supplied with 316 stainless steel hardware



SPECIFICATIONS

PART NO.	VSR150K
VOLTAGE	12V
CHARGING CURRENT	125A Continuous, 150A Peak
CUT-IN VOLTAGE	13.3V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	10 Seconds
MINIMUM OPERATING VOLTAGE	One battery above 8V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 300mA (standby 5mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC





DBC100 | DUAL BATTERY SYSTEMS

ELECTRONIC ISOLATOR

A sophisticated electronic isolator that allows powerful accessories such as fridges, lights and inverters to run without flattening a vehicles starting battery. This 100 Amp unit is ideal for use with mid-sized 4WDs through to SUVs.



100 AMP
12 VOLT

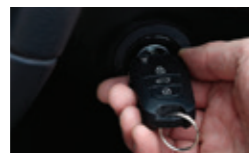
APPLICATION GUIDE



KEY FEATURES

PRIORITY CHARGING

Ensures main battery is charged before connecting to auxiliary



L.E.D INDICATORS

L.E.D illuminates to highlight charge status



MANUAL OVERRIDE

Allows batteries to be manually paralleled for jump starting



VEHICLE PROTECTION

Built-in over current and surge protection



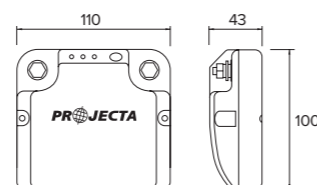
PERMANENT FIXTURE

Supplied bracket and screws for mounting unit



SPECIFICATIONS

PART NO.	DBC100
VOLTAGE	12V
CHARGING CURRENT	75A Continuous, 100A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	60 seconds
MINIMUM OPERATING VOLTAGE	One battery above 7.5V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 500mA (standby 30mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC



DBC150 | DUAL BATTERY SYSTEMS

ELECTRONIC ISOLATOR

An advanced electronic isolator that suits fitment to larger 4WD vehicles, including Landcruisers, Patrols or similar, that will run powerful accessories such as fridges, lights and inverters.



150 AMP
12 VOLT

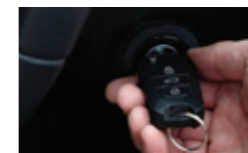
APPLICATION GUIDE



KEY FEATURES

PRIORITY CHARGING

Ensures main battery is charged before connecting to auxiliary



L.E.D INDICATORS

L.E.D illuminates to highlight charge status



MANUAL OVERRIDE

Allows batteries to be manually paralleled for jump starting



VEHICLE PROTECTION

Built-in over current and surge protection



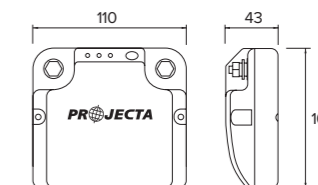
PERMANENT FIXTURE

Supplied bracket and screws for mounting unit



SPECIFICATIONS

PART NO.	DBC150
VOLTAGE	12V
CHARGING CURRENT	125A Continuous, 150A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	60 seconds
MINIMUM OPERATING VOLTAGE	One battery above 7.5V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 500mA (standby 30mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC





DBC100K | DUAL BATTERY SYSTEMS

ELECTRONIC ISOLATOR KIT

A fully automatic dual battery kit suitable for any mid-sized vehicle with an auxiliary battery.

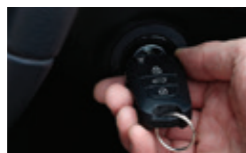
100 AMP
12 VOLT

APPLICATION GUIDE



KEY FEATURES

PRIORITY CHARGING
Ensures main battery is charged before connecting to auxiliary



COMPREHENSIVE KIT
Includes everything for an easy and professional installation



MANUAL OVERRIDE
Allows batteries to be manually paralleled for jump starting



QUALITY BATTERY TERMINALS
Forged brass battery terminals with quick release wingnut bolts allowing multiple cable connections

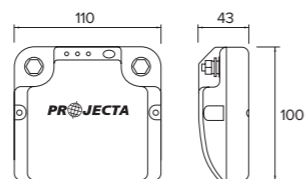


VEHICLE PROTECTION
Built-in over current and surge protection



SPECIFICATIONS

PART NO.	DBC100K
VOLTAGE	12V
CHARGING CURRENT	75A Continuous, 100A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	60 seconds
MINIMUM OPERATING VOLTAGE	One battery above 7.5V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 500mA (standby 30mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC



DBC150K | DUAL BATTERY SYSTEMS

ELECTRONIC ISOLATOR KIT

A fully automatic dual battery kit ideal for use on large 4WD vehicles wishing to run double or triple battery systems.

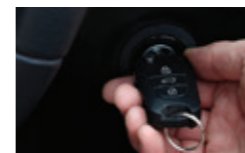
150 AMP
12 VOLT

APPLICATION GUIDE



KEY FEATURES

PRIORITY CHARGING
Ensures main battery is charged before connecting to auxiliary



COMPREHENSIVE KIT
Includes everything for an easy and professional installation



MANUAL OVERRIDE
Allows batteries to be manually paralleled for jump starting



FUSED DISTRIBUTION TERMINAL
Converts positive battery post of auxiliary battery into 3 fused outlets

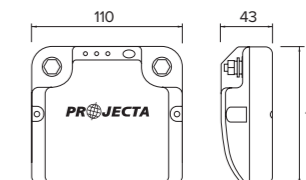


VEHICLE PROTECTION
Built-in over current and surge protection



SPECIFICATIONS

PART NO.	DBC150K
VOLTAGE	12V
CHARGING CURRENT	125A Continuous, 150A Peak
CUT-IN VOLTAGE	13.4V
CUT-OUT VOLTAGE	12.8V
CUT-OUT DELAY	60 seconds
MINIMUM OPERATING VOLTAGE	One battery above 7.5V
CHARGE TYPE	Parallel
CONTROL	MCU
MOUNTING	Surface/firewall/battery side
CURRENT DRAW	Charging 500mA (standby 30mA)
SURGE PROTECTION	Built-in
APPROVAL	EMC





FK25A & FK50A | FUSE KITS

MIDI FUSE KIT

Comprehensive 25Amp and 50Amp MIDI Fuse kits, comprising high quality components to ensure dual battery systems are fused reliably and professionally

SUITS
25A OR 50A
DC/DC

NEW



KEY FEATURES

QUALITY COMPONENTS

Electro tinned copper lugs, copper alloy with tin plated fuses and dual wall heat shrink

COMPREHENSIVE KIT

Includes everything for an easy & professional installation



FK25A
25A MIDI FUSE KIT
KIT COMPRISES
2 x 50A ANS Fuse
2 x ANS Fuse Holder
4 x Cable Lugs
4 x Red heat shrink

FK50A
50A MIDI FUSE KIT
KIT COMPRISES
2 x 80A ANS Fuse
2 x ANS Fuse Holder
4 x Cable Lugs
4 x Red heat shrink



Scan for a wiring diagram



DBM100 | BATTERY METER

DUAL BATTERY VOLT METER & BATTERY GAUGE

An intelligent and compact dual voltage meter ideal for monitoring twin battery installations often found in 4WD and caravan applications.

12 / 24
VOLT

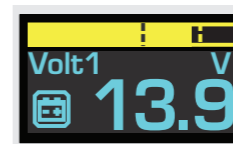
APPLICATION GUIDE



KEY FEATURES

VOLTAGE DISPLAY

Displays battery volts and an easy to read level indicator



SCROLL-THROUGH SWITCH

Changes and sets modes to best suit the application



ADJUSTABLE BRIGHTNESS

High intensity L.E.D screen with adjustable brightness for day and night



WARNING FEATURE

High and low voltage warnings can be set by user, signalled by flashing screen and audible beep



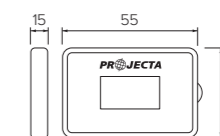
1.5M PRE-WIRED HARNESS

Supplied pre-wired with clearly marked instructions for ease of installation



SPECIFICATIONS

PART NO.	DBM100
VOLTAGE	12/24V
CURRENT DRAW - IGNITION ON	16mA(12V) / 18mA(24V)
CURRENT DRAW - IGNITION OFF	6mA(12V) / 7mA(24V)
OPERATING & DISPLAY RANGE BATTERY 1 & 2	0-36V At least one of the two batteries needs to be above 5.0V for the display to operate
CABLE LENGTH	1.5m





IQR040, IQR040-24, IQR200 & IQR200-24 INTELLI-IQ SMART RELAYS

INTELLI-IQ SMART RELAYS

The Intelli-IQ Smart Relays when combined with the Intelli-IQ (IQD2) enable any standard device (e.g. lights, fridge, air conditioner etc) to become a smart device which can be controlled via Intelli-IQ or any smart phone via Bluetooth.

INTELLI RANGE

12/24 VOLT
40A / 200A

NEW



KEY FEATURES

BLUETOOTH CONNECTIVITY
Bluetooth allows the Intelli-IQ to connect to any iOS or Android device, giving greater functionality up to 10 metres away

LIN BUS
LIN bus is a connection protocol giving users limitless control over devices and accessories plugged into the Intelli-IQ via a smart relay

FULLY SEALED DESIGN
Fully potted design also ensures the Smart Relays can be mounted anywhere due to the IP68 rating

EASY TO MOUNT
Designed to be easy to mount, smart relay can be mounted in a wide variety of locations

INTUITIVE SET UP
Intelli-IQ Smart Relay has been designed to provide a simple 5 wire install. The relays can even be daisy chained together allowing future expansion without messy wiring set up



SPECIFICATIONS

	12 VOLT	24 VOLT
RELAYS PER P.No: IQD2	Up to 15	
AMPERAGE AVAILABLE	40A - IQR040 200A - IQR200	40A - IQR040-24 200A - IQR200-24
IP RATING	IP68	
PROTECTION	Reverse Polarity Short Circuit Over Current Over Voltage Under Voltage High Temperature	
APPROVAL	ECE R10	

See page 143 for Intelli-IQ connection example

NEW



IQD2 | INTELLI-IQ

INTELLI-IQ DISPLAY

A compact 2" display that offers intuitive control over various accessories and IDCX. Intelli-IQ sophisticated LIN bus design ensures multiple devices can be controlled from one display, simplifying wiring and install.



KEY FEATURES

BLUETOOTH CONNECTIVITY
Bluetooth allows the Intelli-IQ to connect to any iOS or Android device, giving greater functionality up to 10 metres away

LIN BUS
LIN bus is a connection protocol giving users limitless control over devices and accessories plugged into the Intelli-IQ

UNLOCK IDCX
Pairing Intelli-IQ with IDCX allows the IDCX to be controlled via Bluetooth or the Intelli-IQ display. Refer to page 144 for further information on IDCX

FUTURE PROOF
Intelli-IQ features advanced design & on board memory allowing Projecta to keep Intelli-IQ & IDCX software updated well into the future. Refer to page 144 for further information on IDCX

TOUCH SCREEN
Easy to use capacitive touch screen provides feedback of a successful action



INTELLI RANGE

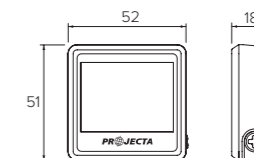
12/24 VOLT
DC/DC

APPLICATION GUIDE



SPECIFICATIONS

PART NO.	IQD2 IDC25XIQ - IDC25X + IQD2 IDC50XIQ - IDC50X + IQD2
INPUT	10.5-32V
INPUT UNDER VOLTAGE PROTECTION	10.5V
INPUT OVER VOLTAGE PROTECTION	33.0V
INPUT MAX CONSUMPTION CURRENT	100mA
INPUT CURRENT AT POWER SAVING MODE	<5mA
DISPLAY SIZE	2.0" / 5.0cm
SCREEN RESOLUTION	320 X 240
SCREEN TYPE	Capacitive Touch
APPROVAL	CISPR11 CLASS B AS/NZS4268 CE BLUETOOTH 5.2 ECE E10
CONNECTIVITY	
BLUETOOTH	5.2
LIN bus	2.1
SAFETY	
Input & Output Short/Reverse Protection	
Input Under & Over Voltage Protection	
Thermal Protection at 65°C	





BM320 | BATTERY METER

SMART BATTERY GAUGE

A sophisticated, full colour LCD monitor that accurately displays a battery's total capacity, overall health and general status. Ideal for camper trailer and caravan interiors.



12 VOLT

APPLICATION GUIDE



KEY FEATURES

2.4" COLOUR LCD SCREEN

High intensity LCD screen displays: predicted state of charge, battery health, time to full charge and time to empty



INSTALLATION KIT

Kit includes 500 Amp shunt and terminals for professional installation



TOTAL USER CONTROL

Easy to use and navigate buttons provide the user total control and the ability to program low battery capacity and battery health alarms



1.5M PRE-WIRED HARNESS

Supplied pre-wired with 4 pin connector into the rear of the unit. A separate terminal block provides a further wiring option



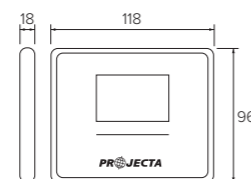
EASE OF FITMENT

Easy and secure surface mount installation via supplied 'click-fit' mounting bracket enabling fixture to any surface



SPECIFICATIONS

PART NO.	BM320
CURRENT DRAW	12V/1.5mA dc
INPUT VOLTAGE RANGE	6.0-17.0Vdc
MAX CURRENT	320A
BATTERY CAPACITY SUPPORTED	5-320Ah
DISPLAY ACCURACY	Current: 0.1A Voltage: 0.1V Battery Capacity: 0.1Ah
TYPE OF BATTERY SUPPORTED	Wet/AGM/Gel/Calcium
CABLE LENGTH	1.5m
CONNECTORS	Terminal Block Molex 4 pin snap fit
DISPLAY	
TIME REMAINING (TO FULL/TO EMPTY)	
POWER REMAINING (AH)	
CHARGING/DISCHARGING STATUS	
AMBIENT TEMP, TIME & DATE	
BATTERY STATE OF HEALTH (Ideal, Good, Fair, Poor)	
PROTECTION	
MINIMUM VOLTAGE	6V
INPUT OVER VOLTAGE PROTECTION	17V
REVERSE POLARITY PROTECTED	



BM500-BT | BATTERY METER

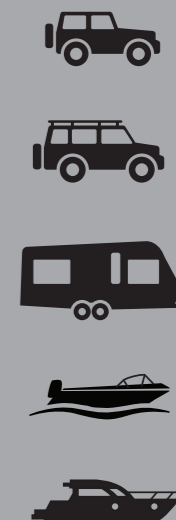
BATTERY MONITOR DISPLAY WITH SHUNT

A clever combination of a smart shunt with an informative display and Bluetooth connectivity, the system displays critical primary and secondary battery information. Ideal for camper trailers, caravans, 4WD canopies and boats.



12 / 24 VOLT

APPLICATION GUIDE



KEY FEATURES

BLUETOOTH CONTROL

Connect a smart phone to unlock full control of the battery monitor from the convenience of a smart phone



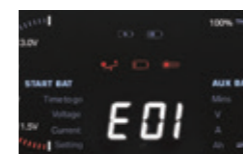
COMPREHENSIVE KIT

Kit includes 500A programmable shunt with CAN & RS485 inputs



TERMINAL WARNING

Input terminal senses when shunt is wired incorrectly, shunt terminal remains closed protecting device



POWER DISPLAY

Display voltage, current and battery state of charge via an easy to read display



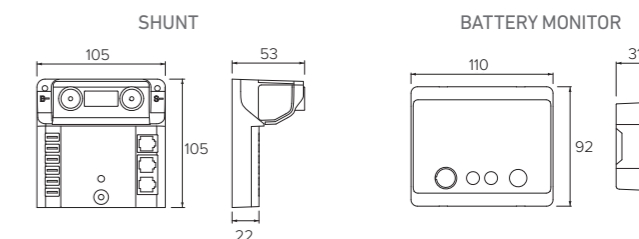
EASE OF FITMENT

Easy to secure to surface mount via supplied fasteners and drilling template



SPECIFICATIONS

PART NO.	BM500-BT
INPUT VOLTAGE RANGE	7-95V
MAX CURRENT	500A
BATTERY CAPACITY SUPPORTED	10-10,000Ah
TYPE OF BATTERY SUPPORTED	AGM/Gel/Lithium
STAND BY CURRENT	36mA
CONNECTORS	CAN, RS485
DISPLAY	
TIME REMAINING (TO FULL/TO EMPTY)	
POWER REMAINING (AH)	
CHARGING/DISCHARGING STATUS	
BATTERY IMBALANCE	
BATTERY HEALTH	
BATTERY TEMPERATURE	
PROTECTION	
MINIMUM VOLTAGE	7V
INPUT OVER VOLTAGE PROTECTION	95V
REVERSE POLARITY PROTECTED	
TEMPERATURE SENSOR PROBE	1540mm
MONITOR CABLE	5000mm
POWER CABLE	1570mm





BATTERY TRAYS & ACCESSORIES

BUILT TOUGH, TO GO THE DISTANCE

Projecta's heavy-duty zinc coated steel battery trays provide the ideal solution when mounting an auxiliary battery. The range has been engineered to fit specific vehicle types meaning the battery trays can be installed without the inconvenience of having to modify the battery tray or parts of the vehicle.

Further battery mounting options are also available with a range of universal battery trays, in both plastic and metal, along with a variety of battery hold down clamps with all the necessary components for a solid fitment.



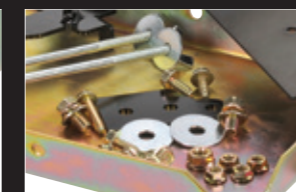
FEATURES & BENEFITS

MADE TO LAST



Constructed from 2mm heavy-duty rust and corrosion resistant passivated zinc coated steel to guarantee optimum performance and longevity.

COMPLETE KIT



Supplied with all the necessary mounting hardware to ensure a professional and hassle free installation. Kit includes bolts, washers, additional brackets, plates and hold down clamps.

VEHICLE SPECIFIC



The extensive offering covers all the latest and most popular vehicle makes and models. Designed and packaged up for direct fitment to the specific vehicle with minimal installation inconvenience.

BATTERY FITMENT



Vehicle dependent, the trays are available in two sizes: suitable for fitment of N50 and N70 size batteries.

UNIVERSAL BATTERY TRAY RANGE



STANDARD PLASTIC



LARGE PLASTIC

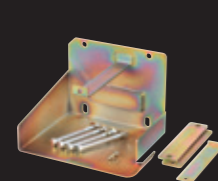


STANDARD METAL



LARGE METAL

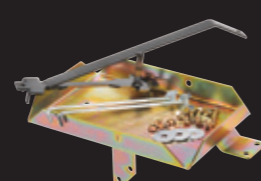
HEAVY-DUTY DUAL BATTERY TRAY RANGE



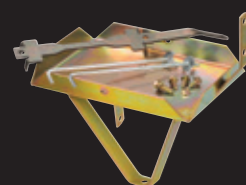
FORD



HOLDEN



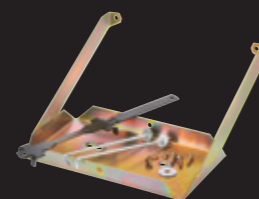
ISUZU



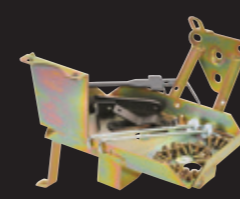
MAZDA



MITSUBISHI



NISSAN



TOYOTA

BATTERY HOLD DOWN CLAMPS



14CM BATTERY HOLD DOWN CLAMP



18CM BATTERY HOLD DOWN CLAMP



METAL BATTERY HOLD DOWN CLAMP



ADJUSTABLE BATTERY HOLD DOWN CLAMP

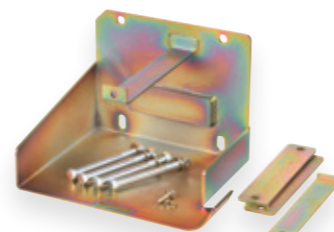


BATTERY HOLD DOWN BOLTS



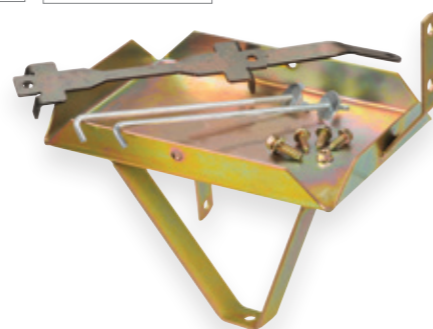
HEAVY-DUTY DUAL BATTERY TRAYS

HDBT254 SUITS FORD



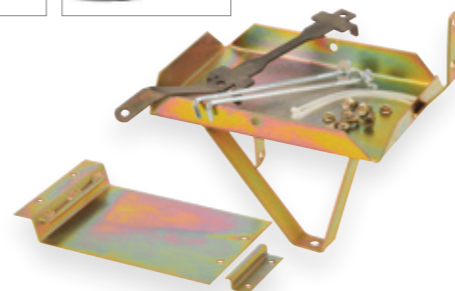
SUITS MODEL	Ford PX Ranger
MODELS	Auto/Manual
YEARS	October 2011 onwards
LOCATION	Chassis Mount
MAX BATTERY SIZE (MM)	L326 x W165 x H242
MAX BATTERY WEIGHT	27.2Kg
SUITS BATTERY	Optima D31

HDBT250 SUITS FORD/MAZDA



SUITS MODEL	Ford Ranger WLT/ Mazda B50 WLT – 2.5 Litre Turbo Diesel & 3.0 Litre Diesel
MODELS	Manual
YEARS	2007–2011
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W174 x H220
MAX BATTERY WEIGHT	18Kg
SUITS BATTERY	N50

HDBT252 SUITS FORD/MAZDA



SUITS MODEL	Ford Ranger WLT/ Mazda B50 WL – 2.5 Litre Turbo Diesel & 3.0 Litre Diesel
MODELS	Auto
YEARS	2007–2011
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W174 x H220
MAX BATTERY WEIGHT	18Kg
SUITS BATTERY	N50

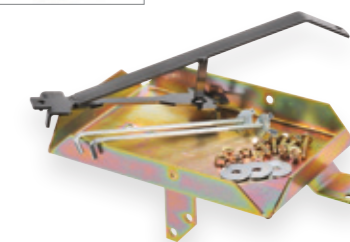
HDBT350 SUITS HOLDEN



SUITS MODEL	Colorado RGD 2.8 Litre Diesel, Colorado 7 RGD 2.8 Litre Diesel
MODELS	Auto/Manual
YEARS	2011 onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W174 x H200
MAX BATTERY WEIGHT	19.6Kg
SUITS BATTERY	N50 (AGM)

HEAVY-DUTY DUAL BATTERY TRAYS

HDBT400 SUITS ISUZU

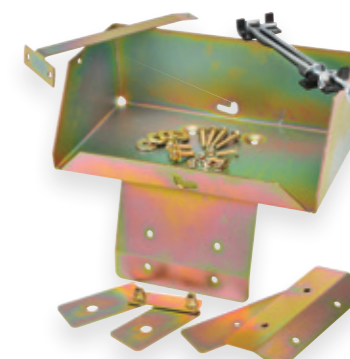


SUITS MODEL	D-MAX 3 Litre 4JJ1-TC Turbo Diesel, MU-X 3 Litre 4JJ1-TC Turbo Diesel
MODELS	Auto/Manual
YEARS	2012–2020
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W174 x H200
MAX BATTERY WEIGHT	19.6Kg
SUITS BATTERY	N50 (AGM)

HDBT450 SUITS ISUZU

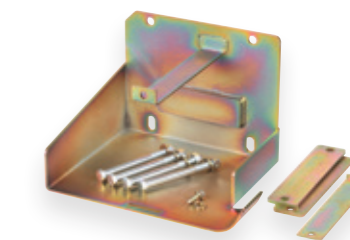


NEW



SUITS MODEL	D-MAX Diesel 4JJ3-TCX, 3.0 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	2020 Onwards
LOCATION	Canopy Mount
MAX BATTERY SIZE (MM)	L305 x W170 x H225
MAX BATTERY WEIGHT	33kg
SUITS BATTERY	N70

HDBT254 SUITS MAZDA

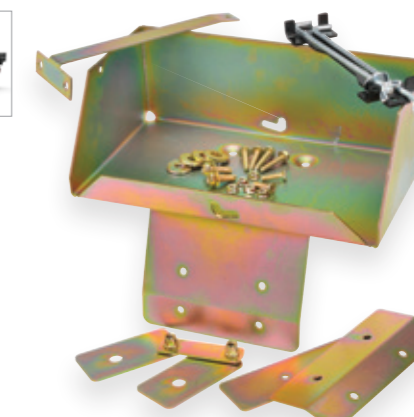


SUITS MODEL	BT50
MODELS	Auto/Manual
YEARS	October 2011 - 2020
LOCATION	Chassis Mount
MAX BATTERY SIZE (MM)	L326 x W165 x H242
MAX BATTERY WEIGHT	27.2Kg
SUITS BATTERY	Optima D31

HDBT450 SUITS MAZDA



NEW



SUITS MODEL	BT-50 Diesel 4JJ3-TCX, 3.0 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	2020 Onwards
LOCATION	Canopy Mount
MAX BATTERY SIZE (MM)	L305 x W170 x H225
MAX BATTERY WEIGHT	33kg
SUITS BATTERY	N70



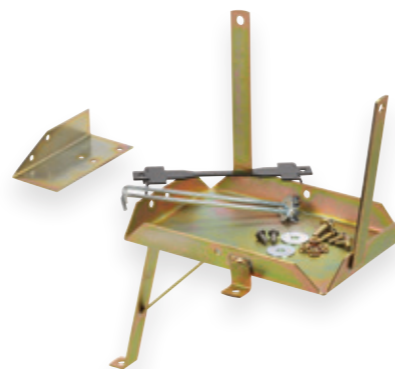


HEAVY-DUTY DUAL BATTERY TRAYS

HDBT200 SUITS MITSUBISHI



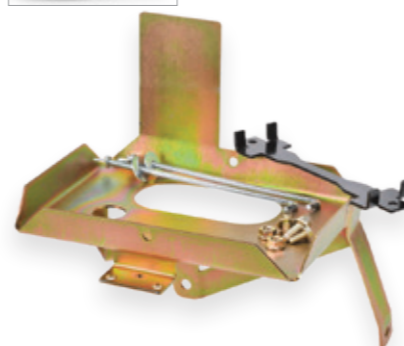
SUITS MODEL	Pajero NM-NW, 4M41 DID 3.2 Litre & 6G74 3.5 Litre V6 Petrol
MODELS	Auto/Manual
YEARS	2000 onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W174 x H220
MAX BATTERY WEIGHT	18Kg
SUITS BATTERY	N70



HDBT204 SUITS MITSUBISHI



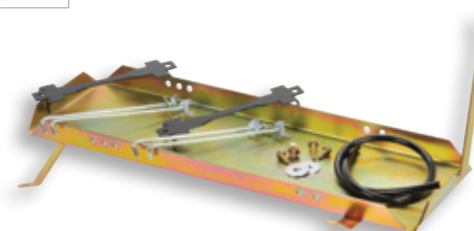
SUITS MODEL	Pajero Sport (Not suitable for Exceed model) 2.4 Litre Turbo Diesel, Triton 2.4 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	2015 Onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	255 x 174 x 220
MAX BATTERY WEIGHT	17Kg
SUITS BATTERY	N50



HDBT202 SUITS MITSUBISHI



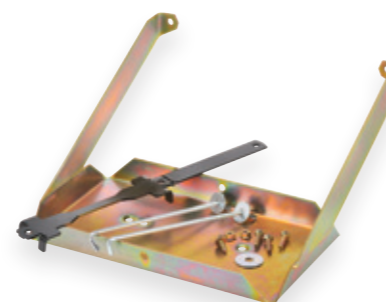
SUITS MODEL	Triton 4M41 DID 3.2 Litre & 4D56 2.5 Litre Turbo Diesel, 6G74 3.5 Litre V6 Petrol & 4G64 2.4 Litre Petrol
MODELS	Auto/Manual
YEARS	2006-2014
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220 (Petrol) L265 x W174 x H220 (Diesel)
MAX BATTERY WEIGHT	23Kg Petrol, 18Kg Diesel
SUITS BATTERY	N70 (Petrol), N50 (Diesel)



HDBT150 SUITS NISSAN



SUITS MODEL	Patrol GQ Diesel TD42, 4.2 Litre Diesel & TBS42S, 4.2 Litre Petrol with Carburettor
MODELS	Auto/Manual
YEARS	1989-1997
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HEAVY-DUTY DUAL BATTERY TRAYS

HDBT152 SUITS NISSAN



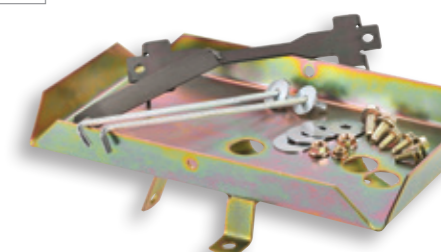
SUITS MODEL	Patrol GU TD42 4.2 Litre & 3 Litre TDI
MODELS	Auto/Manual
YEARS	1999-2014
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HDBT154 SUITS NISSAN



SUITS MODEL	Navara D22 2.5 Litre Diesel
MODELS	Auto/Manual
YEARS	2008 onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W175 x H220 (No Snorkel fitted) L265 x W175 x H220 (Snorkel fitted)
MAX BATTERY WEIGHT	22Kg (No snorkel fitted) 17Kg (Snorkel fitted)
SUITS BATTERY	N70 (No snorkel fitted), N50 (Snorkel fitted)



HDBT100 SUITS TOYOTA



SUITS MODEL	Landcruiser 70 Series 1VD-FTV, 4.5 Litre V8 Turbo Diesel (ABS) Wagon/Ute
MODELS	Manual
YEARS	2007-September 2016
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W175 x H220
MAX BATTERY WEIGHT	24Kg
SUITS BATTERY	N70 (AGM)



HDBT122 SUITS TOYOTA



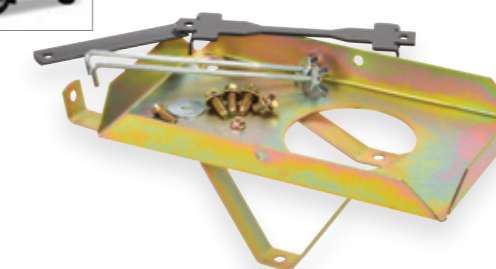
SUITS MODEL	Landcruiser 70 Series 1VD-FTV, 4.5 Litre V8 Turbo Diesel (ABS) Wagon/Ute
MODELS	Manual
YEARS	Oct 2016 Onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W175 x H220
MAX BATTERY WEIGHT	28Kg
SUITS BATTERY	N70 (AGM)



HDBT102 SUITS TOYOTA



SUITS MODEL	Landcruiser 80 Series Diesel 1HZD / 1HDT / 1HDT TD
MODELS	Auto/Manual
YEARS	1990-1998
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L304 x W174 x H225
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70





HEAVY-DUTY DUAL BATTERY TRAYS

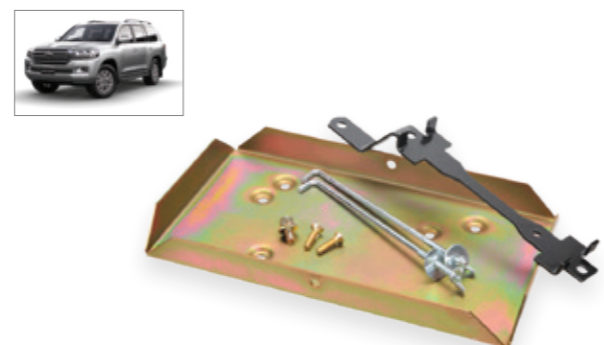
HDBT108 SUITS TOYOTA

SUITS MODEL	Landcruiser 200 Series 1VD-FTV 4.5 Litre V8 Turbo Diesel
MODELS	Auto
YEARS	2009–August 2016
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L265 x W175 x H220
MAX BATTERY WEIGHT	19Kg
SUITS BATTERY	N50 (AGM)



HDBT120 SUITS TOYOTA

SUITS MODEL	Landcruiser 200 DS Series 1VD-FTV 4.5 Litre V8 Turbo Diesel
MODELS	Auto
YEARS	Sep 2016 Onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W175 x H220
MAX BATTERY WEIGHT	22Kg
SUITS BATTERY	N70



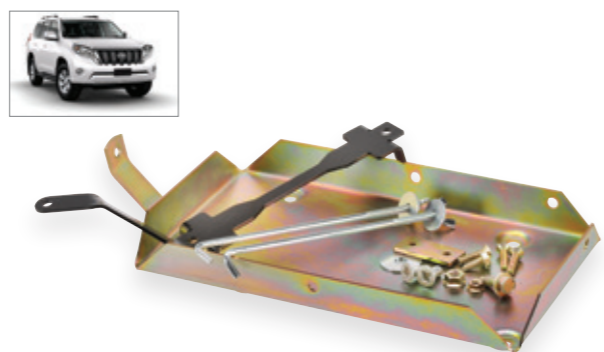
HDBT110 SUITS TOYOTA

SUITS MODEL	Prado 120 Diesel 1KD-FTV, 3.0 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	2003–2009
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HDBT112 SUITS TOYOTA

SUITS MODEL	Prado 150 Diesel 1KD-FTV, 3.0 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	January 2010–August 2016
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HDBT118 SUITS TOYOTA

SUITS MODEL	Prado 150 Series 08 2.8 Litre Turbo Diesel (Not suitable for Kakadu Version)
MODELS	Auto/Manual
YEARS	Sep 2016 Onwards
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HEAVY-DUTY DUAL BATTERY TRAYS

HDBT114 SUITS TOYOTA

SUITS MODEL	Hilux Diesel 1KD-FTV, 3.0 Litre Turbo Diesel & 1 GR-FE, 4.0 Litre V6 Petrol
MODELS	Auto/Manual
YEARS	2005–2014
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70



HDBT116 SUITS TOYOTA

SUITS MODEL	Hilux 126 Series 2.8 Litre Turbo Diesel, Fortuner 126 Series 2.8 Litre Turbo Diesel
MODELS	Auto/Manual
YEARS	2015 Onward
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L300 x W174 x H220
MAX BATTERY WEIGHT	17Kg
SUITS BATTERY	N70



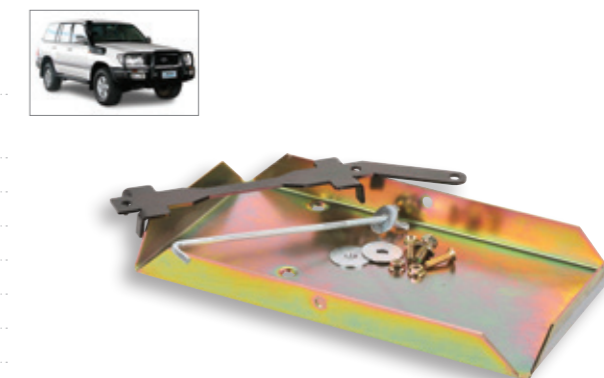
HDBT104 SUITS TOYOTA

SUITS MODEL	Landcruiser 100 & 105 Series 1HDfTE 6Cyl, 4.2 Litre TDI All (Can be used as a 3rd tray for models: 1HZ 6 cylinder 4.2 Litre Diesel, 1FZFE 6 cylinder 4.5 Litre Petrol)
MODELS	Auto/Manual
YEARS	1998–2007
MAX BATTERY SIZE (MM)	L265 x W174 x H220
MAX BATTERY WEIGHT	21Kg
SUITS BATTERY	N50



HDBT106 SUITS TOYOTA

SUITS MODEL	Landcruiser 100 Series 1HZ 4.2 Litre Diesel, 1FZ-FE – 4.5 Litre Petrol
MODELS	Auto/Manual
YEARS	1998–2007
LOCATION	Engine Bay
MAX BATTERY SIZE (MM)	L304 x W175 x H225
MAX BATTERY WEIGHT	23Kg
SUITS BATTERY	N70





UNIVERSAL BATTERY TRAYS

PBT100

STANDARD PLASTIC BATTERY TRAY

- Made from plastic so it won't rust
- Designed to suit common battery sizes up to N50
- Recessed slots in base so the battery does not make contact with tray fasteners
- Size: 185mm x 280mm



PBT200

LARGE PLASTIC BATTERY TRAY

- Made from plastic so it won't rust
- Designed to suit common battery sizes up to N70
- Recessed slots in base so the battery does not make contact with tray fasteners
- Size: 185mm x 340mm



MBT100

STANDARD METAL BATTERY TRAY

- Sturdy metal construction
- Designed to suit common battery sizes up to N50
- Recessed slots so battery won't make contact with tray fasteners
- Size: 185mm x 280mm



MBT200

LARGE METAL BATTERY TRAY

- Sturdy metal construction
- Designed to suit common battery sizes up to N70
- Recessed slots so battery won't make contact with tray fasteners
- Size: 185mm x 340mm



BATTERY ACCESSORIES

BHD14 (Blister-1)

BATTERY HOLD DOWN CLAMP

- 140mm battery hold down clamp
- Suitable for automotive or marine use
- Includes bolts, washers and wingnuts
- Suitable for batteries between 125–135mm in width
- 200mm bolt length



BHD18 (Blister-1)

BATTERY HOLD DOWN CLAMP

- 180mm battery hold down clamp
- Suitable for automotive or marine use
- Includes bolts, washers and wingnuts
- Suitable for batteries between 160–175mm in width
- 250mm bolt length



BHD18M (Blister-1)

METAL BATTERY HOLD DOWN CLAMP

- 180mm battery hold down clamp
- Suitable for automotive or marine use
- Includes bolts, washers and wingnuts
- Suitable for batteries between 160–175mm in width
- 225mm bolt length



ABC30 (Blister-1)

ADJUSTABLE BATTERY HOLD DOWN CLAMP

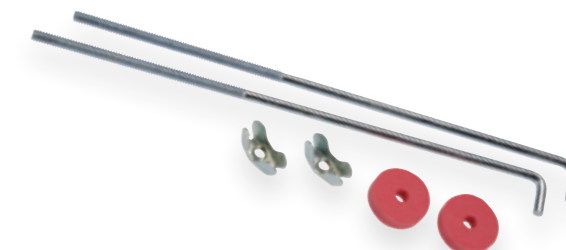
- Adjusts to suit batteries from 125mm to 180mm
- Suitable for automotive or marine use
- Includes bolts, washers and wingnuts
- Metal construction
- 225mm bolt length



BB10 (Blister-1)

BATTERY HOLD DOWN BOLTS

- Universal application
- 255mm in length
- Includes washers and wingnuts





BB285 BB330 | BATTERY BOXES

BATTERY STORAGE BOX

Ideal for securing batteries in areas exposed to the elements or where limited room is available within a vehicle's engine bay allowing fitment where convenient, eg. ute trays.

SUITS N50
SUITS N70



KEY FEATURES

HOLD DOWN STRAP

Supplied strap and fittings ensure a secure hold when mounted



CABLE ACCESS

Includes multiple access points and vent holes



BATTERY FITMENT

Designed to house N50 (BB285) or N70 (BB330) batteries, offering total protection and vehicle fitment options



RETAIL PRESENTATION

Attractively presented packaging ideal for retail display



SPECIFICATIONS

PART NO.	BB285	BB330
SUITS	N50 size batteries	N70 size batteries
INTERNAL SIZE	H: 200mm	H: 200mm
	W: 190mm	W: 190mm
	L: 285mm	L: 330mm
EXTERNAL SIZE	H: 260mm	H: 260mm
	W: 275mm	W: 250mm
	L: 360mm	L: 410mm
MATERIALS	Polypropolene	Polypropolene

BULK OPTIONS

N50 BATTERY BOX

BB285B	As above bulk pack of 10
BB285P	As above bulk pack of 90 (pallet)

N70 BATTERY BOX

BB330B	As above bulk pack of 10
BB330P	As above bulk pack of 90 (pallet)

REPLACEMENT PARTS:
BBSTRAP Hold down strap and fittings



BPE330HD | BATTERY BOX

12V PORTABLE POWER STATION

Projecta's BPE330HD turns an ordinary battery into a convenient and user friendly power station. Simply fit a battery into the pre-wired box and the unit is ready to provide 12V power.

4 POWER
OUTLETS
SUITS N70

NEW



KEY FEATURES

HEAVY-DUTY 50AMP CONNECTOR

Impact resistant polycarbonate housing and silver plated solid copper terminals



CIGARETTE LIGHTER SOCKET

12V merit socket with 20A circuit breaker and 12V DC socket with 10A circuit breaker



BATTERY TERMINALS

Convenient terminals with rubberised wingnuts for quick and easy connection



BATTERY STATUS INDICATOR

L.E.D analyser displays battery state of charge



HOLD DOWN STRAP

Supplied strap and fittings ensure a secure hold when mounted



SPECIFICATIONS

PART NO.	BPE330HD
SUITS	N70 size batteries
INTERNAL SIZE	H: 200mm W: 190mm L: 330mm
EXTERNAL SIZE	H: 280mm W: 220mm L: 390mm
MATERIALS	Polypropolene
ACCESSORY SOCKET	20A circuit breaker
CIGARETTE SOCKET	10A circuit breaker
50A HEAVY DUTY CONNECTOR	50A circuit breaker

RECOMMENDED CHARGERS: **240V** P/No.s AC040, AC080, PC400, PC800, IC7, IC10, IC15
SOLAR P/No.s SPM120K or SPM180K **12V** P/No. IDC25X



PORTABLE POWER-HUB

APPLICATIONS



CAMPING

Ideal for powering appliances on the campsite, including fridges, radio, lighting and other appliances. It is also perfect for charging your favourite devices such as laptops while 'off the grid'.

4WD & LEISURE

The ideal alternative to dual battery systems. Fitment of second batteries with adequate capacity is becoming harder with reduced space in modern engine bays. The Power-Hub has all the benefits of a dual battery system plus portability.

CARAVANNING

A versatile and convenient power source which can be used when power is required outside or away from the caravan.

ON THE WORKSITE

The ideal alternative power source on the worksite allowing portable power to accessories (e.g. fridges and stereo systems) as well as powering and charging work equipment (e.g. battery powered tools) when mains power is not readily available.

10 POWER OUTLETS

Equipped with 10 power outlets which powers a wider range of appliances and devices than ever before. Including a 50A heavy-duty socket and direct connection DC terminals, for applications requiring a high rate of current (eg. jump starting) as well as for charging the battery.

Power outlets include:

- 2 x 15A Merit sockets
- 2 x 2A USB sockets
- 2 x 10A cigarette lighter sockets
- 1 x 10A Engel type socket
- 1 x 50A heavy-duty socket
- 1 x 240V AC outlet
- 1 x DC terminals



2A USB sockets



10A Engel type socket



15A Merit sockets



50A heavy-duty connector and DC terminals plus a 300W 240V power outlet

LCD SCREEN WITH SMART BATTERY GAUGE

The unique full colour 2.4" LCD screen boasts an easy to use built-in intelligent battery monitor to provide comprehensive information on the battery including:

- State of charge
- Battery health
- Time to full charge
- Time to empty
- Programmable low battery capacity and battery health alarms.

Patented self-learning technology determines the battery capacity and health over the life of the battery. The Power-Hub uses the same technology to automatically select the chemistry of the battery e.g. Wet, AGM, Gel or Calcium.



PH125 | POWER-HUB

12V PORTABLE POWER-HUB

Projecta's Power-Hub turns batteries into a versatile user friendly option for powering and charging a wide range of accessories and appliances whilst off the grid. It is the ideal alternative to a conventional dual battery system, giving users the freedom to be independent of power from a vehicle.

10 POWER OUTLETS
300W INVERTER



KEY FEATURES

SMART BATTERY GAUGE

2.4" colour LCD monitor utilises patented 'self-learning' technology to provide comprehensive battery status information

10 POWER OUTLETS

Includes: Merit, 2A USB, cigarette lighter, Engel type, heavy-duty 50A socket, DC terminals and AC outlet with on/off switch

300W INVERTER

300 Watt pure sine wave inverter for powering sensitive electrical equipment

EASY BATTERY FITMENT

Compatible with a wide range of battery sizes and chemistry types

PORTABLE DESIGN

Soft touch over moulded carry handles double as sturdy tie down points for secure fitment within vehicle

SPECIFICATIONS

PART NO.	PH125
SUITS	Batteries up to N70
BATTERY SIZE	Deep Cycle: 60-140Ah Automotive: 300-800CCA Marine: 350-950MCA
BATTERY COMPARTMENT (EXCLUDING TERMINAL POSTS)	H: 230mm W: 177mm L: 338mm (H:245mm including posts)
EXTERNAL SIZE	H: 337mm W: 235mm L: 390mm
OUTLETS	2 x 15A Merit, 2 x 2A USB, 1 x 10A Engel, 1 x DC Terminal, 1 x 50A Heavy-Duty, 2 x 10A Cigarette Lighter Sockets, 1 x 240V AC outlet with on/off switch
SCREEN	2.4" colour LCD
LOW BATTERY & BATTERY HEALTH ALARM	Configurable
MATERIAL	Glass Reinforced Plastic



SUITABLE BATTERY TYPES*

BRAND	MODEL	CAPACITY (Ah)	BRAND	MODEL	CAPACITY (Ah)
Century	N70T	100	Ritar	RA12-100SD	100
	C12-105DA	103		RA12-120SD	120
	C12-120DA	123	Ultimate	UL00-VO	100
Exide	LCS31-110	110		UL110	110
	LCG27-110	110	Remco	RM12-100	100
	LCG31-120	120		DEKA	BA31DTM
Full River	DC105-12	105	Atlas		DC31MF
	DC120-12	120			

*Not limited to

RECOMMENDED CHARGERS:

240V P/No.s AC040, AC080, PC400, PC800, IC7, IC10, IC15
SOLAR P/No.s SPM120K or SPM180K
12V IDC25X



LITHIUM BATTERIES

STANDARD LITHIUM BATTERIES

182

An advanced range of Lithium Batteries in a variety of shapes, sizes and amperage ratings. Suitable for 4WD, caravan, marine and work vehicles.

HEAVY DUTY LITHIUM BATTERIES

184





LITHIUM BATTERIES

POWER YOUR NEXT ADVENTURE

Lithium Iron Phosphate (LiFePO₄) battery technology has completely changed the battery landscape, offering advantages over conventional Lead Acid batteries that will mean you never look back. Featuring weight savings, increased storage capacity, greater Depth of Discharge (DOD), upwards of 8 times the cycle life... resulting in twice the overall battery life of a quality AGM battery.

The new range of Projecta Lithium batteries, available in various sizes, shapes and amperage ratings, will have you covered for power no matter the adventure or job at hand.

FEATURES & BENEFITS



VARIETY OF SHAPES & SIZES



Various size and voltage batteries to suit a range of different power needs, from 4WD canopies, to mobile food trucks and the higher demands of remote travel off grid caravans.



POWER STORAGE



Lithium Iron Phosphate LiFePO₄ batteries are ideal for power storage in your 4x4, RV or boat.



LONGER LIFE



Offering up to 3000 cycles, the Projecta range of high performance Lithium batteries provide up to 8 times the life of standard lead acid batteries.



GREATER DISCHARGE DEPTH



Greater depth of discharge compared with Lead Acid. LiFePO₄ can handle a 20% State of Charge compared to Lead Acid which is typically 50%. This makes a 100Ah LiFePO₄ equivalent to 160Ah Lead Acid battery.



LIGHT WEIGHT



Lithium Iron Phosphate LiFePO₄ batteries are 1/3 of the weight of equivalent Lead Acid batteries making them ideal for vehicles & RVs where gross weights need to be carefully managed.

BATTERY SELECTION GUIDE

■ Suitable for listed appliance
■ OK, dependent on size and type of appliance

PART NO.	USB 2AMP	LIGHTS	LARGE FRIDGE 750-1500W	CARAVAN	UTE	4X4	INVERTER 1000W	INVERTER 2000W	INVERTER 3000W	RV	BOAT	FOOD TRUCK
LB100	■	■	■	■	■	■	■	■	■	■	■	■
LB100-BT	■	■	■	■	■	■	■	■	■	■	■	■
LB100-HD	■	■	■	■	■	■	■	■	■	■	■	■
LB200-HD	■	■	■	■	■	■	■	■	■	■	■	■
LB400-HD	■	■	■	■	■	■	■	■	■	■	■	■
LB50-48V	■	■	■	■	■	■	■	■	■	■	■	■
LB100-48V	■	■	■	■	■	■	■	■	■	■	■	■

ALL NEW



LB100 | 12V 100AH



LB100-BT | 12V 100AH



LB100-HD | 12V 100AH



LB200-HD | 12V 200A



LB400-HD | 12V 400AH



LB50-48V | 48V 50AH



LB100-48V | 48V 100AH



LBM-BT | 12V ~ 48V

LB100 | LITHIUM BATTERY

12V 100AH LITHIUM BATTERY

The LB100 is the ideal entry level Lithium battery. Offering the long life, deep discharge and weight saving advantages associated with Lithium technology.

100Ah
12 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

100AH DISCHARGE CURRENT
100Ah discharge current, capable of powering 1000W inverters

STANDARD SIZE
Standard size so will fit most N70 size battery boxes

M8 BOLTS
M8 bolts provided for easy wiring

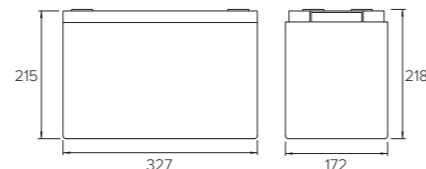
BUILT IN HANDLE
Makes the battery easy to transport ensuring reduced chance of injury



SPECIFICATIONS

PART NO.	LB100
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	100Ah
NOMINAL ENERGY	1280Wh
CHARGE VOLTAGE	14.2V +/- 0.2V
DISCHARGE CUT-OFF VOLTAGE	10V
STANDARD CHARGE CURRENT	20Amps
MAXIMUM CHARGE CURRENT	100Amps
MAXIMUM DISCHARGE CURRENT	100Amps
PEAK DISCHARGE CURRENT	200Amps (3sec)
OPERATING TEMPERATURE	CHARGE 0°C ~ +50°C DISCHARGE -20°C ~ +55°C
MAXIMUM NUMBER OF BATTERIES IN SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	2
NUMBER OF DISCHARGE CYCLES	2000
TERMINAL TYPE	M8 bolt
WEIGHT	14 kg
APPROVALS	EMC, UN38.3
WARRANTY	2 Years

2
YEAR
WARRANTY



LB100-BT | LITHIUM BATTERY

12V HIGH DISCHARGE 100AH LITHIUM BATTERY

With an impressive 150A High discharge functionality and housed within a traditional N70 size casing, the LB100-BT is the ideal battery for 4wds and caravans with high power demands.

100Ah
12 VOLT

APPLICATION GUIDE



NEW



HIGH DISCHARGE
150Amp



KEY FEATURES

BUILT IN BLUETOOTH APP CONTROL
Monitor the battery status via smart phone or tablet with inbuilt intelligent battery monitoring technology

150AH DISCHARGE CURRENT
150Ah discharge current, capable of powering 2000W inverters

M8 BOLTS
Twin M8 bolts provide high current transfer ideal for easily paralleling accessory

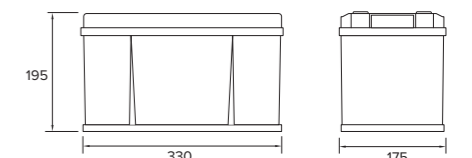
LED INDICATORS
Convenient L.E.D.s provide state of charge, warning indicator and Bluetooth connectivity, all at the touch of a button



SPECIFICATIONS

PART NO.	LB100-BT
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	100Ah
NOMINAL ENERGY	1280Wh
CHARGE VOLTAGE	14.2V +/- 0.2V
DISCHARGE CUT-OFF VOLTAGE	10V
STANDARD CHARGE CURRENT	20Amps
MAXIMUM CHARGE CURRENT	100Amps
MAXIMUM DISCHARGE CURRENT	150Amps
PEAK DISCHARGE CURRENT	350Amps (3sec)
OPERATING TEMPERATURE	CHARGE 0°C ~ +45°C DISCHARGE -20°C ~ +55°C
MAXIMUM NUMBER OF BATTERIES IN SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	2000
TERMINAL TYPE	M8 bolt
WEIGHT	12 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years

3
YEAR
WARRANTY





LB100-HD | LITHIUM BATTERY

12V HIGH DISCHARGE 100AH LITHIUM BATTERY

With an impressive 150A high discharge LB100-HD can run up to 2000W inverters. Housed within a traditional N70 size casing, LB100-HD is ideal for 4WDs and caravans with high power demands.

NEW

**HIGH DISCHARGE
150Amp**



INTELLI RANGE

100Ah
12 VOLT

APPLICATION GUIDE



KEY FEATURES

BUILT IN CURRENT SHUNT

Built in Current Shunt to provide accurate State of Charge (SOC)



150A DISCHARGE CURRENT

150A discharge current, capable of powering 2000W inverters



BATTERY SWITCH & COMMUNICATION PORTS

Battery Switch (remote & local) to isolate the system in storage & Communication Ports to talk to systems, displays or other batteries



BUILT IN MOUNTING FEET

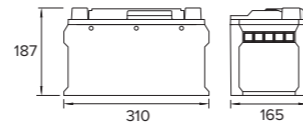
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB100-HD
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	100Ah
NOMINAL ENERGY	1280Wh
CHARGE VOLTAGE	14.2V ± 0.2V
DISCHARGE CUT-OFF VOLTAGE	11.2V
STANDARD CHARGE CURRENT	50Amps
MAXIMUM CHARGE CURRENT	100Amps
MAXIMUM DISCHARGE CURRENT	150Amps
PEAK DISCHARGE CURRENT	225Amps (10sec) 450Amps (1sec)
OPERATING TEMPERATURE	Charge: 0°C ~ +45°C Discharge: - 20°C ~ +60°C
MAXIMUM NUMBER OF BATTERIES IN SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
TERMINAL TYPE	M8 stud
WEIGHT	11 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3
YEAR
WARRANTY



LB200-HD | LITHIUM BATTERY

12V HIGH DISCHARGE 200AH LITHIUM BATTERY

LB200-HD boasts impressive capabilities and is ideal for 4WDs and caravans with high power demands.

NEW

**HIGH DISCHARGE
200Amp**



INTELLI RANGE

200Ah
12 VOLT

APPLICATION GUIDE



KEY FEATURES

BUILT IN CURRENT SHUNT

Built in Current Shunt to provide accurate State of Charge (SOC)



200A DISCHARGE CURRENT

200A discharge current, capable of powering 2000W inverters



BATTERY SWITCH & COMMUNICATION PORTS

Battery Switch (remote & local) to isolate the system in storage & Communication Ports to talk to systems, displays or other batteries



BUILT IN MOUNTING FEET

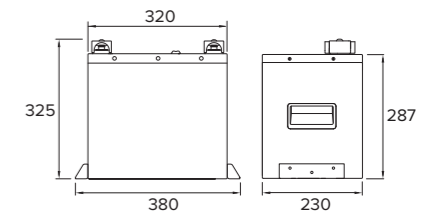
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB200-HD
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	200Ah
NOMINAL ENERGY	2560Wh
CHARGE VOLTAGE	14.2V ± 0.2V
DISCHARGE CUT-OFF VOLTAGE	11.2V
STANDARD CHARGE CURRENT	100Amps
MAXIMUM CHARGE CURRENT	200Amps
MAXIMUM DISCHARGE CURRENT	200Amps
PEAK DISCHARGE CURRENT	300Amps (10min)
OPERATING TEMPERATURE	Charge: 0°C ~ +45°C Discharge: - 20°C ~ +60°C
MAXIMUM NUMBER OF BATTERIES IN SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
TERMINAL TYPE	M8 stud
WEIGHT	22 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3
YEAR
WARRANTY





LB400-HD | LITHIUM BATTERY

12V HIGH DISCHARGE 400AH LITHIUM BATTERY

The LB400-HD is Projecta's powerhouse within the Lithium battery line up. An astonishing 400Ah capacity and a market leading 300A discharge capability make it ideal to partner with high current drawing appliances such as 3000W inverters.

NEW

**HIGH DISCHARGE
300Amp**



INTELLI RANGE

400Ah
12 VOLT

APPLICATION GUIDE



KEY FEATURES

300A DISCHARGE CURRENT
300A Discharge current ideal for 3000W inverters



BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BUILT IN MOUNTING FEET & METAL CASE
Heavy duty metal case with recessed handles and built in mounting feet for easy installation



BATTERY SWITCH
Battery Switch to isolate the system in storage



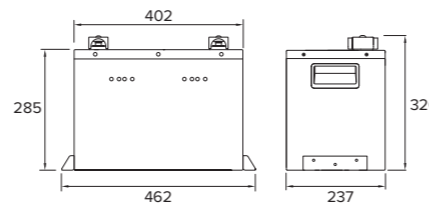
COMMUNICATIONS PORTS
Communications ports to talk to systems, displays or other batteries



SPECIFICATIONS

PART NO.	LB400-HD
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	400Ah
NOMINAL ENERGY	5120Wh
CHARGE VOLTAGE	14.2V +- 0.1V
DISCHARGE CUT-OFF VOLTAGE	11.2V
STANDARD CHARGE CURRENT	90Amps
MAXIMUM CHARGE CURRENT	200Amps
CONTINUOUS DISCHARGE CURRENT	200Amps
PEAK DISCHARGE CURRENT	300Amps (10 min)
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN A SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
TERMINAL TYPE	M8 stud
WEIGHT	42.5 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3
YEAR WARRANTY



LB50-48VHD | LITHIUM BATTERY

48V 50AH LITHIUM BATTERY

A compact 50Ah Lithium battery specifically suited to 48 volt systems. The LB50-48VHD is housed within a durable metal housing and features a host of built in features such as current shunt, battery switch and communication ports to provide status information to remote monitors.

NEW



INTELLI RANGE

50Ah
48 VOLT

APPLICATION GUIDE



KEY FEATURES

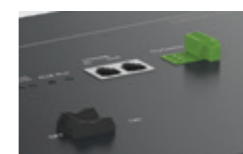
BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BATTERY SWITCH
Battery Switch to isolate the system in storage



COMMUNICATIONS PORTS
Communications ports to talk to systems, displays or other batteries



METAL CASE
Heavy duty metal outer enclosure with recessed carry handles ensure strength and long lasting durability



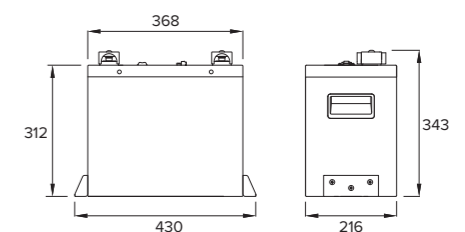
BUILT IN MOUNTING FEET
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB50-48VHD
NOMINAL VOLTAGE	48V
NOMINAL CAPACITY	50Ah
NOMINAL ENERGY	2400Wh
CHARGE VOLTAGE	52.5-54V
DISCHARGE CUT-OFF VOLTAGE	42V
STANDARD CHARGE CURRENT	25Amps
MAXIMUM CHARGE CURRENT	50Amps
CONTINUOUS DISCHARGE CURRENT	25Amps
PEAK DISCHARGE CURRENT	55Amps (5sec)
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	2000
TERMINAL TYPE	M8 stud
WEIGHT	30.4 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3
YEAR WARRANTY





LB100-48VHD | LITHIUM BATTERY

48V 100AH LITHIUM BATTERY

A compact 100Ah Lithium battery specifically suited to 48 volt systems. The LB100-48VHD is housed within a durable metal housing and features a host of built in features such as Current Shunt, Battery Switch and Communication Ports to provide status information to remote monitors.

100Ah
48 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BATTERY SWITCH
Battery Switch to isolate the system in storage



COMMUNICATIONS PORTS
Communications Ports to talk to systems or displays



METAL CASE
Heavy duty metal outer enclosure with recessed carry handles ensure strength and long lasting durability



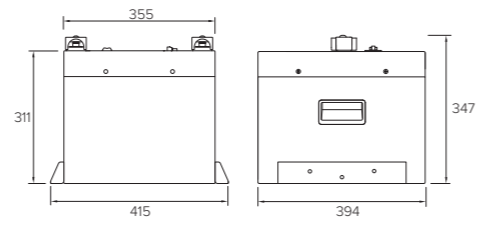
BUILT IN MOUNTING FEET
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB100-48VHD
NOMINAL VOLTAGE	48V
NOMINAL CAPACITY	100Ah
NOMINAL ENERGY	4800Wh
DISCHARGE CUT-OFF VOLTAGE	43.5Vdc
STANDARD CHARGE CURRENT	50Amps
MAXIMUM CHARGE CURRENT	100Amps
CONTINUOUS DISCHARGE CURRENT	100Amps
PEAK DISCHARGE CURRENT	150Amps for 10sec, 300Amps for 1 sec
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
TERMINAL TYPE	M8 stud
WEIGHT	40 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3
YEAR
WARRANTY



LBM-BT | BATTERY MONITOR

LITHIUM BATTERY BLUETOOTH MONITOR

Lithium battery Bluetooth monitor with integrated remote switch. Allows you to monitor the battery's state of charge (SOC), current and voltage or Intelli-Grid Inverter/Charger.



NEW

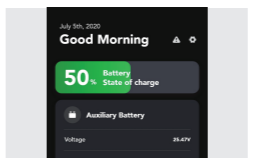


KEY FEATURES

STATE OF CHARGE PERCENTAGE (SOC)
Works as a fuel gauge for the battery



BLUETOOTH APP CONTROL
Monitor the battery status via smart phone or tablet with inbuilt intelligent battery monitoring technology



DIRECT COMMUNICATION
Communicates directly with the battery so no additional shunts are required



REMOTE BATTERY SWITCH
Can turn the battery on/off remotely for storage purposes



VOLT/AMP MONITORING
Shows current in/out of the battery and voltage

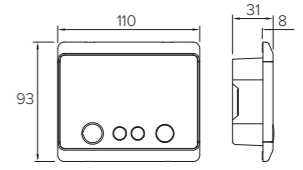


SPECIFICATIONS

PART NO.	LBM-BT
INPUT VOLTAGE	6.5-16Vdc
BATTERY CAPACITY	10-10,000Ah
CABLE LENGTH	5 metres
IP RATING	IP20
WORKING TEMPERATURE	-20~65°C

DISPLAY
Battery Voltage, Current / State of Charge (SOC%)
AC output, Power / Frequency / Voltage/ Current
AC Mains Input, Power / Frequency / Voltage/ Current
Alarm & Fault indication

2
YEAR
WARRANTY



* Not compatible with LB100 and LB100-BT.



POWER MANAGEMENT

POWER BOARDS 192

A selection of power boards designed to suit ute canopies and RVs.

INTELLI-RV 200

A complete range of power management systems for caravans and recreational vehicles.

INTELLI-GRID 208

The ultimate in off-grid power solutions to ensure you have the power you need, when you need it most.

INTELLI-RV & INTELLI-GRID ACCESSORIES 218

A selection of accessories to suit Intelli-RV and Intelli-Grid.

LOW VOLTAGE DISCONNECT 244

Intelli-Volt LVDs protect your deep cycle batteries from damage caused by over discharge.

VOLTAGE REDUCERS 246

Designed to convert 24V power down to 12V. Ideal for trucks, buses and other vehicles running 24V systems.





POWER BOARDS FOR CANOPIES & RV

Complete and easy to install 12V power management systems ideal for ute canopies, 4WD's and caravans. Choose from a range of 6 pre-built models to suit your vehicles needs. Designed in Australia for the harshest conditions and demands.



FEATURES & BENEFITS



EASY TO INSTALL



EXTENSIVE RANGE



HEAVY DUTY CONSTRUCTION



QUALITY & SAFETY



Easy to install pre-wired power boards with all the required accessories pre-wired. Simply plug and play to get the most out of your dual battery system.



6 pre-built models to choose from to suit vehicle and power requirements.



Durable heavy duty casing with powder coated finish.



Only the highest quality Projecta and Narva components used. Comes pre-wired with heavy duty circuit breakers and fuse box to prevent over charge and short circuit.

POWER BOARD SELECTION GUIDE

APPLIANCE AND APPLICATION GUIDE

Green box: Features included / suitable for listed appliances
Yellow box: Dependent on size and type of appliance

PART NO.	FEATURES									APPLICATION				APPLIANCE USAGE				
	USB PORTS	12V CIGARETTE SOCKET	12V MERIT SOCKET	2 X HEAVY DUTY CONNECTOR PLUGS	SWITCHES	LOW VOLTAGE DISCONNECT	BATTERY MONITOR	SOLAR PANEL COMPATIBLE	CIRCUIT PROTECTION	UTE/4X4	CAMPER	CARAVAN	RV	<200W (auxiliary lights, phones, cameras, fans)	<1000W (microwave, small fridge, power tool charger)	<1500W (toaster, hair dryer, large fridge)	<2000W (angle grinder, coffee machine)	<3000W (induction cooktop, aircon)
ICBDC	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green	Green
ICB1000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green
ICB1500	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green	Green
ICB2000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ICB3000	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
ICB2000-HD	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green

ALL NEW



ICBDC | 12V



ICB1000 | 12V



ICB1500 | 12V



ICB2000 | 12V



ICB3000 | 12V



ICB2000-HD | 12V



ICBDC | POWER BOARDS

12V DC POWER MANAGEMENT BOARD

A premium pre-built all-in-one DC power board, ideal for ute canopies and tray bodies. For ease of fitment, the unit is pre-wired enabling a quick and professional installation.

INTELLI RANGE

25 AMP

APPLICATION GUIDE

LITHIUM
BATTERY COMPATIBLE

NEW



KEY FEATURES

DC-DC CHARGER (IDC25X)

Providing a 3 or 5 stage charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications



BATTERY MONITOR (BM500-BT)

An intelligent and compact battery meter ideal for monitoring SOC% and general status



SOCKETS & SWITCH PANEL

Power and charge 12V devices with 3.1A USB sockets, a merit socket and a cigarette lighter socket. 5 switches are included to control all your connections



HEAVY DUTY INPUT/OUTPUT BATTERY CONNECTORS

50A Heavy duty connectors allow connection to appliances and to external solar



CIRCUIT PROTECTION

100A Heavy duty circuit breaker with manual reset and 10-way 25A max fuse box. Can be used to isolate the whole board from the battery



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICBDC
DC-DC CHARGER	
PART NO.	IDC25X
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT	35Vdc
MAX PANEL SIZE	360W
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
SMART BATTERY MONITOR	
PART NO.	BM500-BT
MAX CURRENT	500A
BATTERIES CAPACITY SUPPORTED	5-320Ah
BATTERIES SUPPORTED	Wet, Gel, AGM, Calcium, Lithium
USB SOCKET	
OUTPUT	5V, 3.1A
MERIT SOCKET	
AMP RATING	16A at 12V, 8A at 24V
CIGARETTE SOCKET	
AMP RATING	20A at 12V, 10A at 24V
SWITCHES	
AMP RATING	20A at 12V
HEAVY DUTY CONNECTORS	
AMP RATING	50A, suits cable size 8mm ² (8 B&S)
CIRCUIT BREAKER	
AMP RATING	100A
FUSE BOX	
LOAD	25A per circuit
CIRCUITS	10-way ATS Blade Fuses
BOARD DIMENSIONS	435 x 410mm

ICB1000 | POWER BOARDS

12V DC POWER MANAGEMENT BOARD WITH INVERTER

Utilising the latest premium 'Intelli' power management equipment, this board features the multi-chemistry 25Amp DC to DC dual battery charger, 1000W pure sine wave inverter and more. This sophisticated system is ideal for ute canopies and caravan applications. Pre-built, these all-in-one units enable quick and easy installation.

INTELLI RANGE

25 AMP
1000 WATT

APPLICATION GUIDE

LITHIUM
BATTERY COMPATIBLE

NEW



KEY FEATURES

DC-DC CHARGER (IDC25X)

Providing a 3 or 5 stage charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications



1000W PURE SINE WAVE INVERTER (IP1000)

Converts 12V power to 240V to allow the use of devices such as laptops and fridges on the go



BATTERY MONITOR (BM500-BT)

An intelligent and compact battery meter ideal for monitoring SOC% and general status



SOCKETS & SWITCH PANEL

Power and charge 12V devices with 3.1A USB sockets, a merit socket and a cigarette lighter socket. 5 switches are included to control all your connections



LOW VOLTAGE DISCONNECT

A robust and compact unit that protects expensive deep cycle batteries from damage caused by over-discharge



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICB1000
DC-DC CHARGER	
PART NO.	IDC25X
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT	35Vdc
MAX PANEL SIZE	360W
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
SMART BATTERY MONITOR	
PART NO.	BM500-BT
MAX CURRENT	500A
BATTERIES CAPACITY SUPPORTED	5-320Ah
BATTERIES SUPPORTED	Wet, Gel, AGM, Calcium, Lithium
USB SOCKET	
OUTPUT	5V, 3.1A
MERIT SOCKET	
AMP RATING	16A at 12V, 8A at 24V
CIGARETTE SOCKET	
AMP RATING	20A at 12V, 10A at 24V
SWITCHES	
AMP RATING	20A at 12V
HEAVY DUTY CONNECTORS	
AMP RATING	50A, suits cable size 8mm ² (8 B&S)
CIRCUIT BREAKER	
AMP RATING	100A/150A
FUSE BOX	
LOAD	25A per circuit
CIRCUITS	10-way ATS Blade Fuses
BOARD DIMENSIONS	900 x 550mm





ICB1500 | POWER BOARDS

12V DC POWER MANAGEMENT BOARD WITH INVERTER

Utilising the latest premium 'Intelli' power management equipment, this board features the multi-chemistry 25Amp DC to DC dual battery charger, 1500W pure sine wave inverter and more. This sophisticated system is ideal for ute canopies and RV applications. Pre-built, these all-in-one units enable quick and easy installation.

NEW



INTELLI RANGE

25 AMP
1500 WATT

APPLICATION GUIDE

LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

DC-DC CHARGER (IDC25X)

Providing an advanced charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications



1500W PURE SINE WAVE INVERTER (IP1500)

Converts 12V power to 240V to allow the use of devices such as laptops through to coffee machines whilst off grid



BATTERY MONITOR (BM500-BT)

An intelligent and compact battery meter ideal for monitoring SOC% and general status



SOCKETS & SWITCH PANEL

Power and charge 12V devices with 3.1A USB sockets, a merit socket and a cigarette lighter socket. 5 switches are included to control all your connections



LOW VOLTAGE DISCONNECT

A robust and compact unit that protects expensive deep cycle batteries from damage caused by over-discharge



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICB1500
DC-DC CHARGER	
PART NO.	IDC25X
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT	35Vdc
MAX PANEL SIZE	360W
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
SMART BATTERY MONITOR	
PART NO.	BM500-BT
MAX CURRENT	500A
BATTERY CAPACITY SUPPORTED	5-320AH
BATTERIES SUPPORTED	Wet, Gel, AGM, Calcium, Lithium
USB SOCKET	
OUTPUT	5V, 3.1A
MERIT SOCKET	
AMP RATING	16A at 12V, 8A at 24V
CIGARETTE SOCKET	
AMP RATING	20A at 12V, 10A at 24V
SWITCHES	
AMP RATING	20A at 12V
HEAVY DUTY CONNECTORS	
AMP RATING	50A, suits cable size 8mm ² (8 B&S)
CIRCUIT BREAKER	
AMP RATING	100A/150A
FUSE BOX	
LOAD	25A per circuit
CIRCUITS	10-way ATS Blade Fuses

ICB2000 | POWER BOARDS

12V DC POWER MANAGEMENT BOARD WITH INVERTER

Utilising the latest premium 'Intelli' power management equipment, this board features the multi-chemistry 50Amp DC to DC dual battery charger, 2000W pure sine wave inverter and more. This sophisticated system is ideal for ute canopies and motor home applications. Pre-built, these all-in-one units enable quick and easy installation.

NEW



INTELLI RANGE

50 AMP
2000 WATT

APPLICATION GUIDE

LITHIUM
BATTERY COMPATIBLE

KEY FEATURES

DC-DC CHARGER (IDC50X)

Providing an advanced charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications



2000W PURE SINE WAVE INVERTER (IP2000)

Converts 12V power to 240V to allow the use of devices such as TVs through to the high power demands of power tools



BATTERY MONITOR (BM500-BT)

An intelligent and compact battery meter ideal for monitoring SOC% and general status



SOCKETS & SWITCH PANEL

Power and charge 12V devices with 3.1A USB sockets, a merit socket and a cigarette lighter socket. 5 switches are included to control all your connections



LOW VOLTAGE DISCONNECT

A robust and compact unit that protects expensive deep cycle batteries from damage caused by over-discharge



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICB2000
DC-DC CHARGER	
PART NO.	IDC50X
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT:	32V, 720W
OUTPUT CURRENT	11-32Vdc 50A
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
SMART BATTERY MONITOR	
PART NO.	BM500-BT
MAX CURRENT	500A
BATTERY CAPACITY SUPPORTED	5-320AH
BATTERIES SUPPORTED	Wet, Gel, AGM, Calcium, Lithium
USB SOCKET	
OUTPUT	5V, 3.1A
MERIT SOCKET	
AMP RATING	16A at 12V, 8A at 24V
CIGARETTE SOCKET	
AMP RATING	20A at 12V, 10A at 24V
SWITCHES	
AMP RATING	20A at 12V
HEAVY DUTY CONNECTORS	
AMP RATING	50A, suits cable size 8mm ² (8 B&S)
CIRCUIT BREAKER	
AMP RATING	100A/150A
FUSE BOX	
LOAD	25A per circuit
CIRCUITS	10-way ATS Blade Fuses

**ICB3000 | POWER BOARDS****12V DC POWER MANAGEMENT BOARD WITH INVERTER**

Utilising the latest premium 'Intelli' power management equipment, this board features the multi-chemistry 50Amp DC to DC dual battery charger, 3000W pure sine wave inverter and more. This sophisticated system is ideal for ute canopies and motor home applications. Pre-built, these all-in-one units enable quick and easy installation.

NEW

INTELLI RANGE

50 AMP
3000 WATT

APPLICATION GUIDE

**LITHIUM**
BATTERY COMPATIBLE

KEY FEATURES

DC-DC CHARGER (IDC50X)

Providing an advanced charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications

**3000W PURE SINE WAVE INVERTER (IP3000)**

Converts 12V power to 240V to allow the use of devices such as laptops to air conditioning units, whilst off the grid

**BATTERY MONITOR (BM500-BT)**

An intelligent and compact battery meter ideal for monitoring SOC% and general status

**SOCKETS & SWITCH PANEL**

Power and charge 12V devices with 3.1A USB sockets, a merit socket and a cigarette lighter socket. 5 switches are included to control all your connections

**LOW VOLTAGE DISCONNECT**

A robust and compact unit that protects expensive deep cycle batteries from damage caused by over-discharge



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICB3000
DC-DC CHARGER	
PART NO.	IDC50X
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT:	32V, 720W
OUTPUT CURRENT	11-32Vdc 50A
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
SMART BATTERY MONITOR	
PART NO.	BM500-BT
MAX CURRENT	500A
BATTERY CAPACITY SUPPORTED	5-320AH
BATTERIES SUPPORTED	Wet, Gel, AGM, Calcium, Lithium
USB SOCKET	
OUTPUT	5V, 3.1A
MERIT SOCKET	
AMP RATING	16A at 12V, 8A at 24V
CIGARETTE SOCKET	
AMP RATING	20A at 12V, 10A at 24V
SWITCHES	
AMP RATING	20A at 12V
HEAVY DUTY CONNECTORS	
AMP RATING	50A, suits cable size 8mm ² (8 B&S)
CIRCUIT BREAKER	
AMP RATING	100A/150A
FUSE BOX	
LOAD	25A per circuit
CIRCUITS	10-way ATS Blade Fuses

ICB2000-HD | POWER BOARDS**12V AC/DC POWER MANAGEMENT BOARD WITH INVERTER**

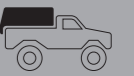
Utilising the latest premium 'Intelli' power management equipment, this board features the multi-chemistry 50Amp DC to DC dual battery charger, 2000W pure sine wave 50A 240V battery charger and supplied 200AH lithium battery. This sophisticated system is ideal for ute canopies and motor home applications.

NEW

INTELLI RANGE

50 AMP
2000 WATT

APPLICATION GUIDE

**LITHIUM**
BATTERY COMPATIBLE

KEY FEATURES

DC-DC CHARGER (IDC50X)

Providing an advanced charge simultaneously from both solar and alternator inputs, this dual battery management system is ideal for many applications

**2000W PURE SINE WAVE INVERTER (IP2000)**

Converts 12V power to 240V to allow the use of devices such as laptops to coffee machines, whilst off the grid

**50A AC BATTERY CHARGER (IC50)**

A versatile charger capable of charging small batteries used in recreational equipment right up to large batteries found in houseboats

**BATTERY MONITOR (LBM-BT)**

An intelligent and compact battery meter ideal for monitoring SOC% and general status

**200AH LITHIUM BATTERY**

200Ah lithium iron phosphate battery with built in current shunt and on-board communication for additional batteries to be wired in parallel



For detailed specifications on individual components refer index for part number location

SPECIFICATIONS

PART NO.	ICB2000-HD
12V AUTOMATIC BATTERY CHARGER	
PART NO.	IC50
TYPE	7 Stage Automatic
ALTERNATOR INPUT VOLTAGE	240VAC, 50Hz, 820W
OUTPUT CURRENT	2, 6, 12, 25, 50A
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium
DC/SOLAR CHARGER	
PART NO.	IDC50X
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	9-32Vdc
MAX SOLAR INPUT:	32V, 720W
OUTPUT CURRENT	11-32Vdc 50A
BATTERIES SUPPORTED	Gel, AGM, Calcium, Lithium, user defined
BATTERY MONITOR	
PART NO.	LBM-BT
INPUT VOLTAGE	6.5-16Vdc
BATTERY CAPACITY	10-10,000Ah
CABLE LENGTH	5 metres
IP RATING	IP20
WORKING TEMPERATURE	-20°C-65°C
LITHIUM BATTERY	
PART NO.	LB200-HD
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	200Ah
MAXIMUM CHARGE CURRENT	100Amps
MAXIMUM DISCHARGE CURRENT	200Amps
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	2000





INTELLI-RV

COMPREHENSIVE POWER MANAGEMENT FOR CARAVANS AND RVs

Battery power and solar management has never been this easy. An all-in-one power management unit provides a single, centralised wiring location whilst our remote control and monitoring options keep you informed and in command.



Wire up a caravan in half the time. Intelli-RV systems allow fast and efficient wiring to a central location via WAGO® push-in terminals. Compatible with solid, stranded and ferruled conductors, these terminals have industry-proven spring pressure connection technology for fast, vibration-proof and maintenance-free wiring.

ALL NEW



PM210



PM210-BT



PM310



PM310-BT4



PM310-BT7



PM410-BT7



FEATURES & BENEFITS



EASY INSTALLATION



Centralised, all-in-one transformer unit significantly reduces electrical footprint and installation time by eliminating separate circuits and the need for additional battery protection.



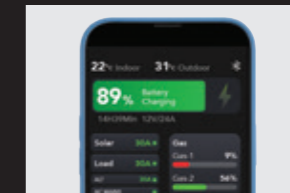
REMOTE CONTROL DISPLAY



Remote control displays allow for easy monitoring of water levels, battery, charging and system status, plus remote buttons for switching power, load and water pump operation.



BLUETOOTH APP



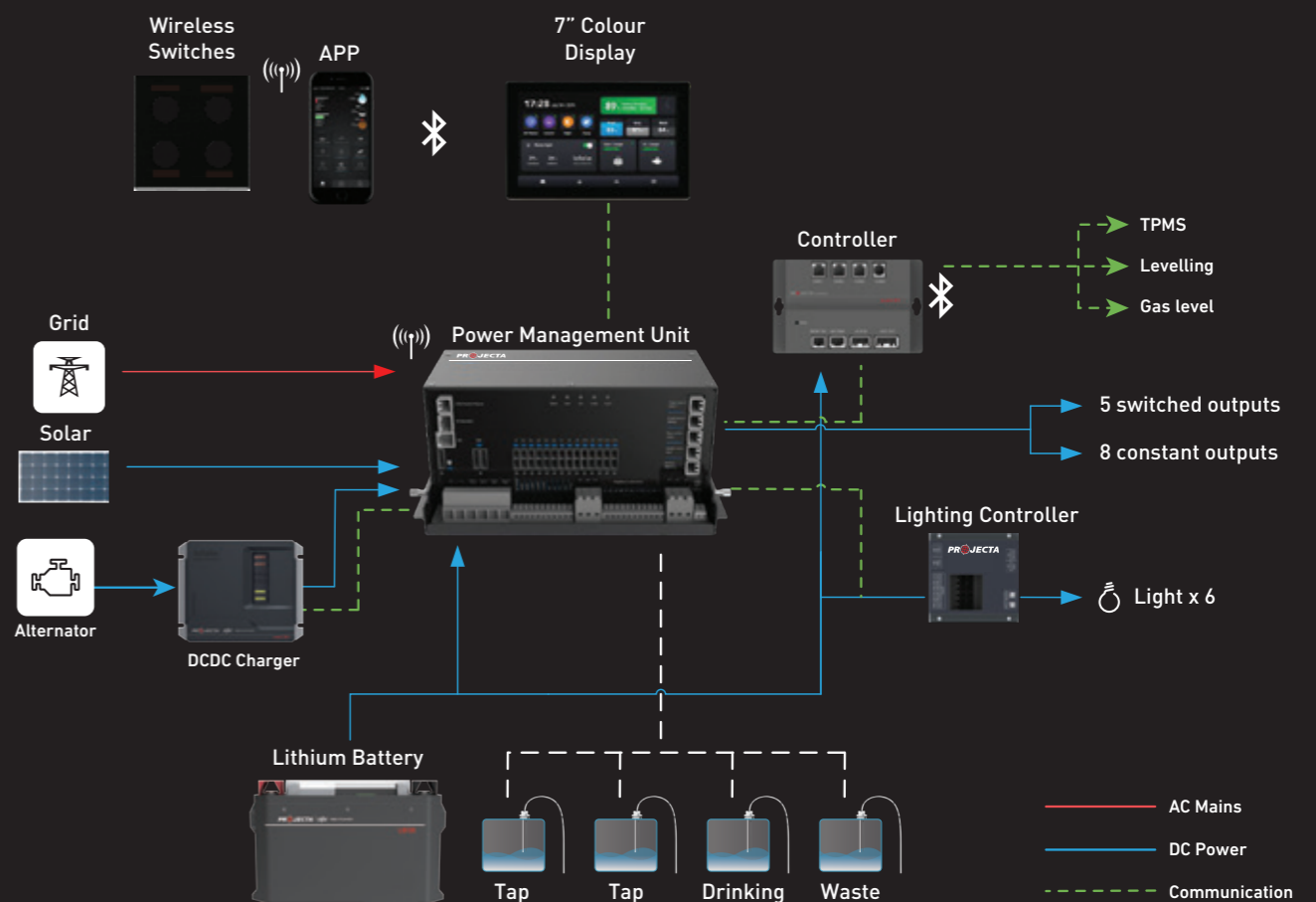
Selected Intelli-RV models feature Bluetooth connectivity. Monitor and control from the palm of your hand, inside or outside the vehicle, using the Intelli-RV smart phone app.



MULTI-CHEMISTRY & LiFePO₄ BATTERIES



Intelli-RV systems are compatible with all battery types, including Wet, AGM, Gel and Lithium (LiFePO₄).



PM210 | INTELLI-RV POWER MANAGEMENT SYSTEM

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/Solar charger. Supplied with a convenient L.E.D switch panel providing volt meter, power input indicators, water levels and switch controls.



Wireless switch (optional)

KEY FEATURES

CHARGING OPTIONS

30A solar (PWM), 30A AC (mains), or vehicle alternator (100A* VSR)



POWER SUPPLY

Provides 35A (constant 12.8VDC) to power all your DC appliances when connected to mains power



VERSATILE

Additional wiring components and modules available, such as levelling sensors, Bluetooth colour screens and lighting controls (refer pages 219-239)



EASY INSTALLATION

Premium quality WAGO® terminals allow a quick and easy installation, resistant to vibration for maintenance free wiring



OPTIONAL WIRELESS SWITCH

Stylish and slimline switch panel featuring Night mode, Pump 2, Light 1 and Light 2 (P/no. PMWSW4-1)



SPECIFICATIONS

PART NO.	PM210
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A PWM Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LED REMOTE CONTROL	YES
WATER GAUGES	3
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29

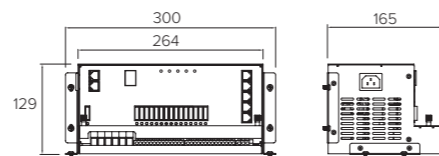
REPLACEMENT PARTS

PM235-2 12V 30A Charger & 35 Amp Power Supply, 30A Solar controller
PMSWLED2 LED Display to suit PM235-2
PMSWLED2 5m Cable to suit PMSWLED2
PMBS Battery Sensor with 3m of Cable
PMAC AC Power Cord, 1.5m

OPTIONAL PARTS

PMWSW4-1 Wireless switch
PMSWLED2-10 10m Cable to suit PMSWLED2

2
YEAR WARRANTY



*60Amp continuous, 100Amps for 30 minutes

PM210-BT | INTELLI-RV POWER MANAGEMENT SYSTEM WITH BLUETOOTH DISPLAY

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/solar charger. Supplied with a remote Bluetooth LCD display offering advanced monitoring of battery, Solar, water and electrical systems.



Wireless switch (optional)

KEY FEATURES

CHARGING OPTIONS

30A solar (PWM), 30A AC (mains), or vehicle alternator (100A* VSR)



POWER SUPPLY

Provides 35A (constant 12.8VDC) to power all your DC appliances when connected to mains power



VERSATILE

Additional wiring components and modules available, such as levelling sensors, Bluetooth colour screens and lighting controls (refer pages 219-239)



EASY INSTALLATION

Premium quality WAGO® terminals allow a quick and easy installation, resistant to vibration for maintenance free wiring



OPTIONAL WIRELESS SWITCH

Stylish and slimline switch panel featuring Night mode, Pump 2, Light 1 and Light 2 (P/no. PMWSW4-1)



SPECIFICATIONS

PART NO.	PM210-BT
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A PWM Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LCD REMOTE CONTROL	YES
WATER GAUGES	4
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29

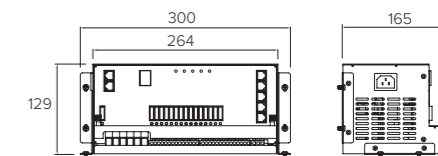
REPLACEMENT PARTS

PM235-2 12V 30A Charger & 35 Amp Power Supply, 30A Solar controller
PMLCD2-BT LCD display to suit PM235-2
PMLCDC2 5m Cable to suit PMLCD2-BT
PMBS Battery Sensor with 3m of Cable
PMAC AC Power Cord, 1.5m

OPTIONAL PARTS

PMWSW4-1 Wireless switch
PMLCDC2-10 10m Cable to suit PMLCD2-BT

2
YEAR WARRANTY



*60Amp continuous, 100Amps for 30 minutes



PM310 | INTELLI-RV

POWER MANAGEMENT SYSTEM WITH LCD DISPLAY

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/solar charger. Supplied with a remote LCD display offering advanced monitoring of battery, MPPT Solar, water and electrical systems.



Wireless switch (optional)

KEY FEATURES

SOLAR CONTROLLER
The 30A built-in Maximum Power Point Tracking (MPPT) solar regulator allows maximum power from portable solar



CHARGING OPTIONS
30A solar (MPPT), 30A AC (mains), or vehicle alternator (100A* VSR)



POWER SUPPLY
Provides 35A (constant 12.8VDC) to power all your DC appliances when connected to mains power



EASY INSTALLATION
Premium quality WAGO® terminals allow a quick and easy installation, resistant to vibration for maintenance free wiring



OPTIONAL WIRELESS SWITCH
Stylish and slimline switch panel featuring Night mode, Pump 2, Light 1 and Light 2 (P/no. PMWSW4-1)



SPECIFICATIONS

PART NO.	PM310
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A MPPT Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LCD REMOTE CONTROL	YES
WATER GAUGES	4
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29

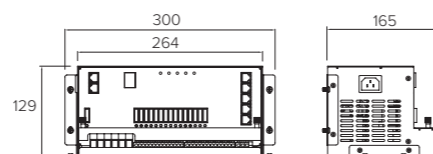
REPLACEMENT PARTS

- PM335-2 12V 30A Charger & 35 Amp Power Supply, 30A MPPT Solar Controller
- PMLCD2 LCD Display to suit PM335
- PMLCDC2 5m Cable to suit LCD Screen
- PMTS Temperature Sensor w/ 5m Cable to suit PM Units
- PMBS Battery Sensor with 3m of Cable
- PMAC AC Power Cord, 1.5m

OPTIONAL PART

- PMWSW4-1 Wireless switch
- PMLCDC2-10 10m Cable to suit PMLCD2

2
YEAR WARRANTY



*60Amp continuous, 100Amps for 30 minutes

PM310-BT4 | INTELLI-RV

POWER MANAGEMENT SYSTEM WITH 4" BLUETOOTH DISPLAY

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/solar charger. Supplied with an advanced 4" Bluetooth LCD touch screen offering complete control and monitoring of battery, MPPT solar, water and electrical systems.



Wireless switch (optional)

KEY FEATURES

SOLAR CONTROLLER
The 30A built-in Maximum Power Point Tracking (MPPT) solar regulator allows maximum power from portable solar



CHARGING OPTIONS
30A solar (MPPT), 30A AC (mains), or vehicle alternator (100A* VSR)



POWER SUPPLY
Provides 35A (constant 12.8VDC) to power all your DC appliances when connected to mains power



EASY INSTALLATION
Premium quality WAGO® terminals allow a quick and easy installation, resistant to vibration for maintenance free wiring



OPTIONAL WIRELESS SWITCH
Stylish and slimline switch panel featuring Night mode, Pump 2, Light 1 and Light 2 (P/no. PMWSW4-1)



SPECIFICATIONS

PART NO.	PM310-BT4
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A MPPT Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LCD REMOTE CONTROL	YES
WATER GAUGES	4
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29



4" TOUCHSCREEN REMOTE CONTROL DISPLAY
Offers information on battery/solar charging (Volts, AMPS, SOC, time remaining), up to 4 water tank level inputs with pump control, a load switch, night/silent mode for quiet operation. More advanced controls for Lighting and DC to DC charging (if fitted) monitoring and software updates via the app.

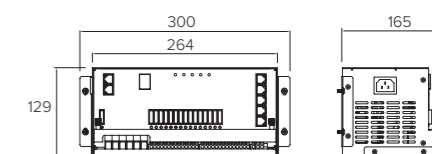
REPLACEMENT PARTS

- PM335-2 12V 30A Charger & 35 Amp Power Supply, 30A MPPT Solar Controller
- PMD-BT4 4" LCD Display
- PMLCDC2 5m Cable to suit LCD Display
- PMTS Temperature Sensor w/ 5m Cable to suit PM Units
- PMBS Battery Sensor with 3m of Cable
- PMAC AC Power Cord, 1.5m

OPTIONAL PART

- PMWSW4-1 Wireless switch
- PMLCDC2-10 10m Cable to suit LCD Display

2
YEAR WARRANTY



*60Amp continuous, 100Amps for 30 minutes

PM310-BT7 | INTELLI-RV

POWER MANAGEMENT SYSTEM WITH 7" BLUETOOTH DISPLAY

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/solar charger. Supplied with an advanced 7" Bluetooth LCD touch screen offering complete control and monitoring of battery, MPPT solar, water and electrical systems.



Wireless switch (optional)

KEY FEATURES

SOLAR CONTROLLER

The 30A built-in Maximum Power Point Tracking (MPPT) solar regulator allows maximum power from portable solar



CHARGING OPTIONS

30A solar (PWM), 30A AC (mains), or vehicle alternator (100A* VSR)



POWER SUPPLY

Provides 35A (constant 12.8VDC) to power all your DC appliances when connected to mains power



VERSATILE

Additional wiring components and modules available, such as levelling sensors, Bluetooth colour screens and lighting controls (refer pages 219-239)



EASY INSTALLATION

Significantly reduces electrical footprint and installation time by eliminating separate circuits and the need for additional battery protection



*60Amp continuous, 100Amps for 30 minutes

SPECIFICATIONS

PART NO.	PM310-BT7
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A MPPT Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LCD REMOTE CONTROL	YES
WATER GAUGES	4
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29



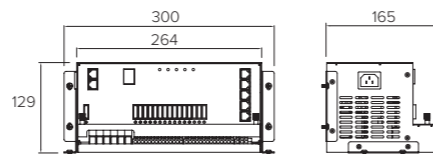
7" TOUCHSCREEN REMOTE CONTROL DISPLAY
Offers information on battery/solar charging (Volts, AMPs, SOC, time remaining), up to 4 water tank level inputs with pump control, a load switch, night/silent mode for quiet operation. More advance controls for Lighting and DC to DC charging (if fitted) monitoring and software updates via the app.

REPLACEMENT PARTS

- PM335-2 12V 30A Charger & 35 Amp Power Supply, 30A MPPT Solar Controller
- PMD-BT7 7" LCD Display
- PMLCDC2 5m Cable to suit LCD Display
- PMTS Temperature Sensor w/ 5m Cable to suit PM Units
- PMBS Battery Sensor with 3m of Cable
- PMAC AC Power Cord, 1.5m

OPTIONAL PARTS

- PMWSW4 Wireless switch
- PMLCDC2-10 10m Cable to suit LCD Display



PM410-BT7 | INTELLI-RV

COMPLETE POWER MANAGEMENT SYSTEM WITH 7" DISPLAY, SWITCH PANEL & SENSOR KITS

A comprehensive power management system to suit caravans and RVs featuring a 35Amp power supply and 30Amp AC/MPPT solar charger. Supplied with an advanced 7" Bluetooth LCD touch screen, lighting controls, gas, TPMS and levelling sensors for an all round package.



KEY FEATURES

POWER SUPPLY

All in one power supply and AC/MPPT Solar charger, with LVD to safely power all your appliances when connected to mains power



DISPLAY

7" Touchscreen Colour LCD with Bluetooth connectivity ensures clear, interactive data for the user



LIGHTING CONTROL

Lighting control module that talks with the 7" display & wireless switches



CHARGING OPTIONS

DC charging via 30A solar (MPPT), 30A AC (mains), or vehicle alternator (100A* VSR)



VERSATILE

Communication manager connects to levelling sensors, gas sensors, TPMS and specific controls for slide out and awning control (refer pages 219-239)



*60Amp continuous, 100Amps for 30 minutes

SPECIFICATIONS

PART NO.	PM410-BT7
CHARGER	12V 30A
POWER SUPPLY	35A
CONTROL METHOD	30A MPPT Solar
VOLTAGE SENSITIVE RELAY	100A* DC
OUTPUTS	14 Fused Output
LCD REMOTE CONTROL	Yes
WATER GAUGES	4
PUMPS	2
APPROVALS	EMC, AS/NZS 60335.2.29

Kit includes:

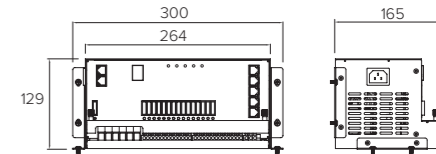
- 30Amp Charger & 35Amp Power P/n: PM335-2
- 30Amp DCDC charger P/n: PMDCS30
- 7" Colour display P/n: PMD-BT7
- 6 Channel Lighting Controller P/n: PMWLM6
- INTELLI-RV Controller P/n: PMCOM
- Leveling sensor P/n: PMLVL
- Tyre Pressure Monitoring kit P/n: PMTPMS

REPLACEMENT PARTS

- PM335-2 12V 30A Charger & 35 Amp Power Supply, 30A MPPT Solar Controller
- PMD-BT7 7" LCD Display
- PMLCDC2 5m Cable to suit LCD Display
- PMTS Temperature Sensor w/ 5m Cable to suit PM Units
- PMBS Battery Sensor with 3m of Cable
- PMAC AC Power Cord, 1.5m

OPTIONAL PARTS

- PMWSW4 Wireless switch
- PMLCDC2-10 10m Cable to suit LCD Display





INTELLI-GRID

THE ULTIMATE ALL-IN-ONE POWER MANAGEMENT SYSTEM FOR RVs

Just like Intelli-RV, Intelli-Grid is a full AC & DC mobile power system. Configured for 2KW, 3KW and 3KW 48V systems.

Everything is connected via CAN bus communication so components can be added as required. High powered systems designed to run all the comforts of home on the road.



SCAN FOR MORE INFORMATION



FEATURES & BENEFITS



FULLY ASSEMBLED



Ready made boards that make installation into any vehicle easy.



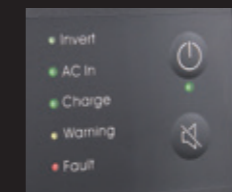
HIGH POWER INVERTERS



Provides high powered 240V mains power off the grid from the battery, when on the move or in a shack.



HIGH POWERED AC BATTERY CHARGERS



Provides fast charging when connected to mains power to get your battery charged up for your next adventure.



DCDC & SOLAR MPPT CHARGING



For charging on the move or while the sun is shining, ensures batteries are always fully charged and ready to go.



MULTI-VOLT SOLUTIONS

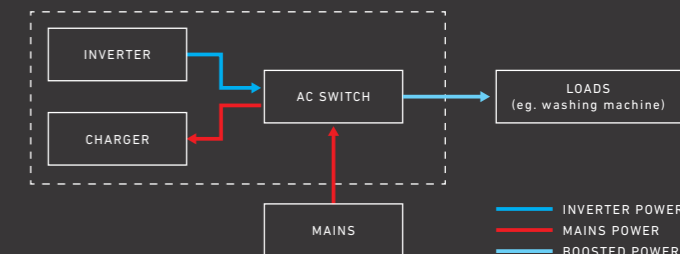


Intelli-Grid power systems provide 12V power which is most common or 48V power where high power is required.

GRID POWER BOOST

When an Intelli-Grid power management system is installed, Grid Power Boost enables your set up to be supported by mains power with an inverter to compensate for weak shore power when needed.

This boost works by utilising mains/generator power, when available to increase the power of the system.



IG2-BM | 12 VOLT



IG2-BT7 | 12 VOLT

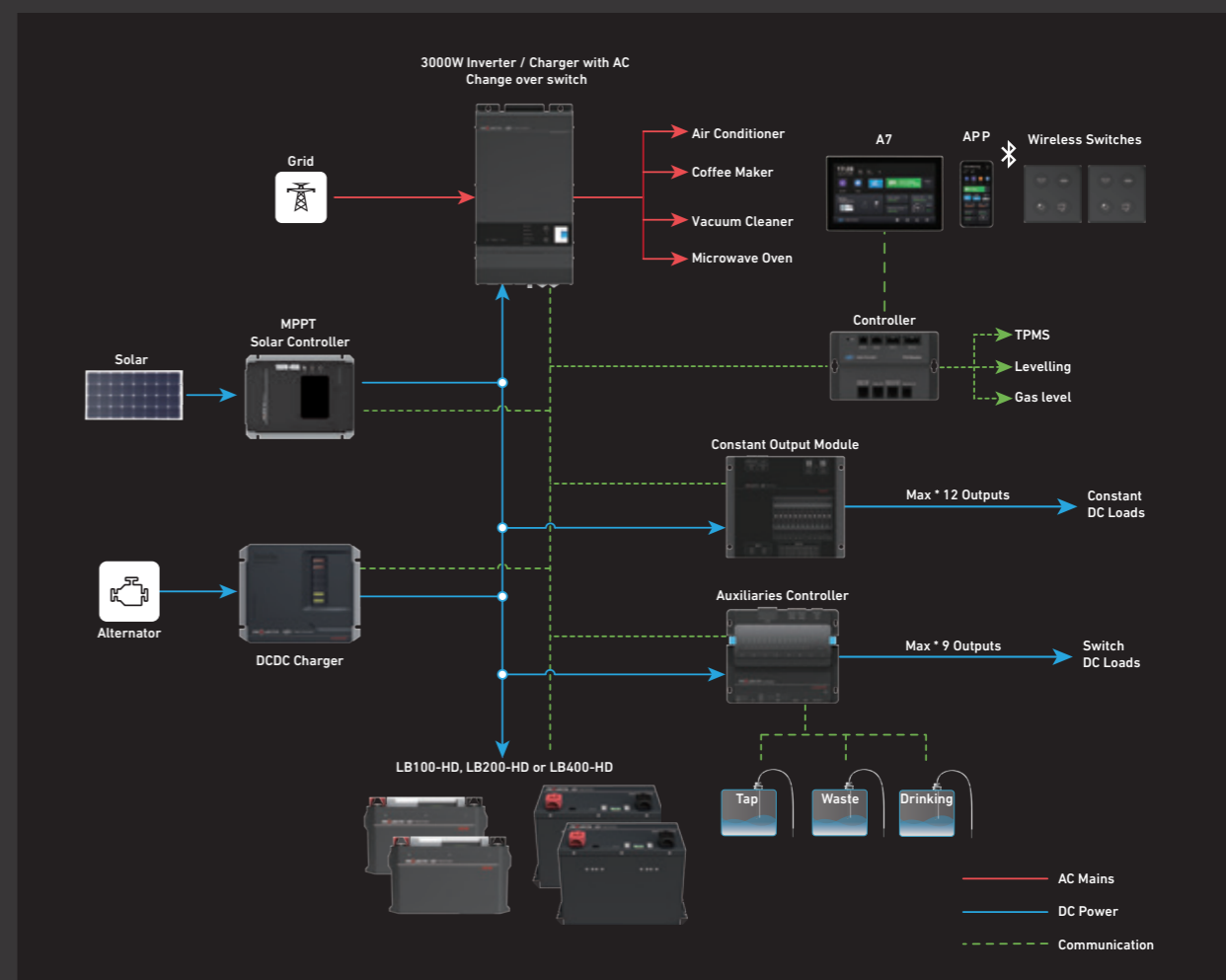


IG3-BT7 | 12 VOLT



IG3-48V | 48 VOLT

ALL NEW





IG2-BM | INTELLI-GRID

MOBILE POWER SYSTEM WITH BLUETOOTH MONITOR

High powered solution for mobile power featuring 2000W inverter/charger, MPPT solar controller, DCDC charger with an easy to read Bluetooth display.

INTELLI RANGE

12 VOLT
2000 WATT

NEW



KEY FEATURES

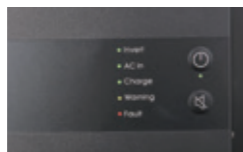
INVERTER

2000W Inverter/Charger with 120A charging and AC transfer



GRID POWER BOOST

Grid Power Boost supports mains power with an inverter to compensate for weak shore power



LITHIUM BATTERY

An advanced and powerful 200Ah lithium battery perfectly matched to the Intelli-Grid system provides ample power for off-grid requirements



BATTERY MONITOR

An intelligent and compact battery meter ideal for monitoring SOC% and general status



MULTIPLE CHARGING OPTIONS

30A DC to DC charging and 40 MPPT solar charger for charging from the vehicle or when the sun is shining



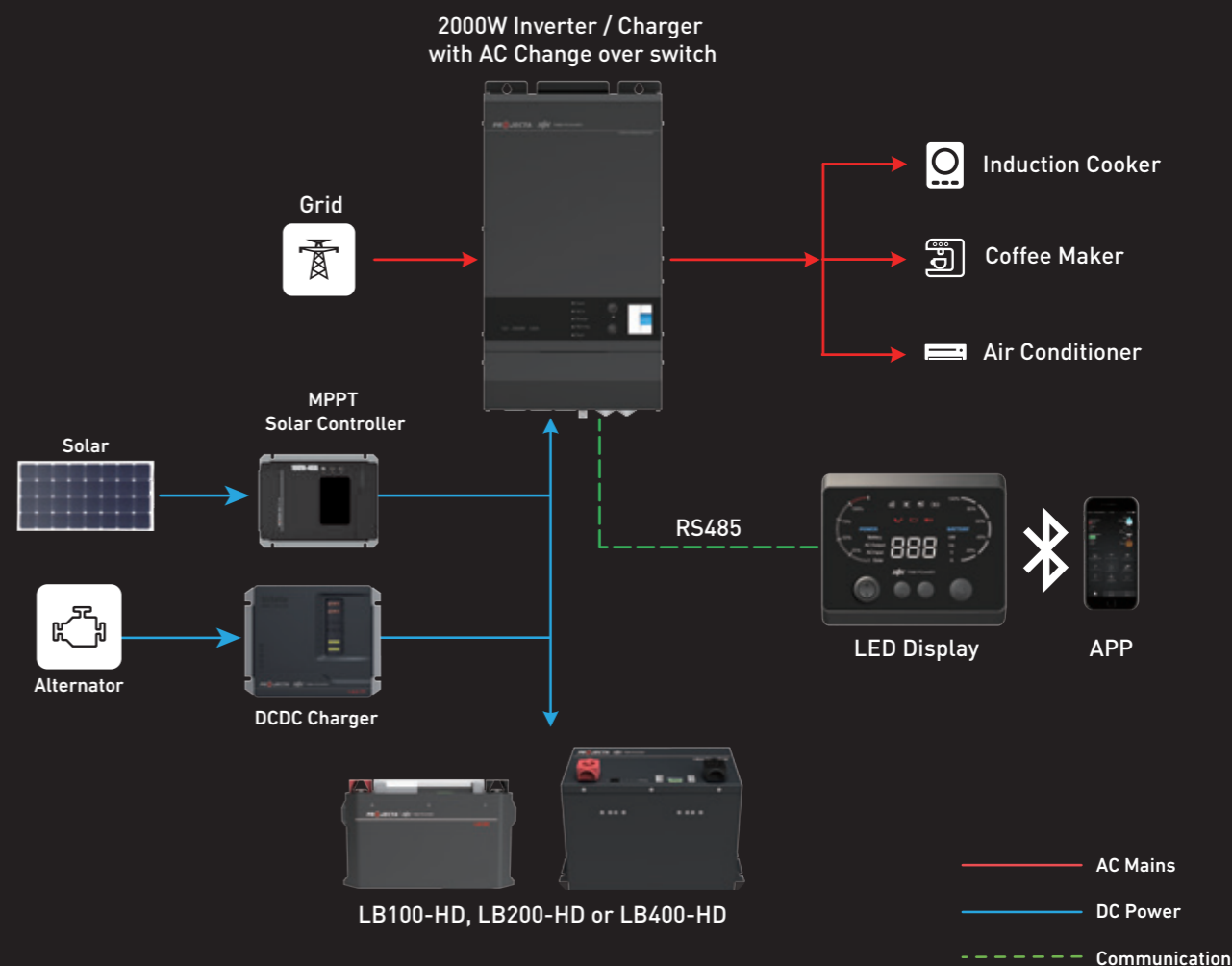
SPECIFICATIONS

PART NO.	IG2-BM
INVERTER/CHARGER	
PART NO.	INVCHR2
240V CHARGING	
CHARGE TYPE	5 Stage Automatic
INPUT	240VAC, 50/60Hz, 32A(max)
OUTPUT	12V, 120A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
INVERTER	
INPUT	12V (10.5~17V)
OUTPUT	220 / 230 / 240 VAC
FREQUENCY	50/60 Hz
OUTPUT POWER	2000W (4000W Peak)
12V DC-DC CHARGING	
PART NO.	PMDCS30
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	12V, <30A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
ALTERNATOR TYPE	Smart & Conventional
SOLAR CHARGING	
PART NO.	SC540
CHARGE TYPE	5 Stage
INPUT	100V
OUTPUT	40A MPPT
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
LITHIUM BATTERY	
PART NO.	LB200-HD
OUTPUT	12V
BATTERY CAPACITY	200Ah
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY MONITOR	
PART NO.	INVCHRD-BT
DISPLAY	LCD/LED
MEASUREMENT	SOC%, Volts, Amps, Time to go
CONNECTIVITY	Bluetooth
APPROVALS	EMC, AS/NZS 60335.2.29

INTELLI-GRID

WANT SOMETHING DIFFERENT FROM WHAT IS PICTURED?

If the standard products shown do not fulfill your specific requirement, contact your local Projecta sales representative to discuss further options.





IG2-BT7 | INTELLI-GRID

MOBILE POWER SYSTEM WITH BLUETOOTH MONITOR

A complete 2000W power solution taking care of all your power needs, lighting and water requirements, connected to a colour display with Bluetooth so you can check and control the system from your phone.

INTELLI RANGE

12 VOLT
2000 WATT



KEY FEATURES

INVERTER & GRID POWER
2000W Inverter/Charger with 120A charging, Grid Power Boost and AC transfer. AS/NZS 3001 ready



LITHIUM BATTERY
An advanced and powerful 200Ah lithium battery perfectly matched to the Intelli-Grid system provides ample power for off-grid requirements



BLUETOOTH MONITOR
Bluetooth 7" Touchscreen Colour monitor showing SOC, full control of your RV, water, lighting and RV hardware



MULTIPLE CHARGING OPTIONS
30A DC to DC charging and 40 MPPT solar charger for charging from the vehicle or when the sun is shining



ADAPTABLE MODULES
Water and lighting modules are fitted to fully control your RV



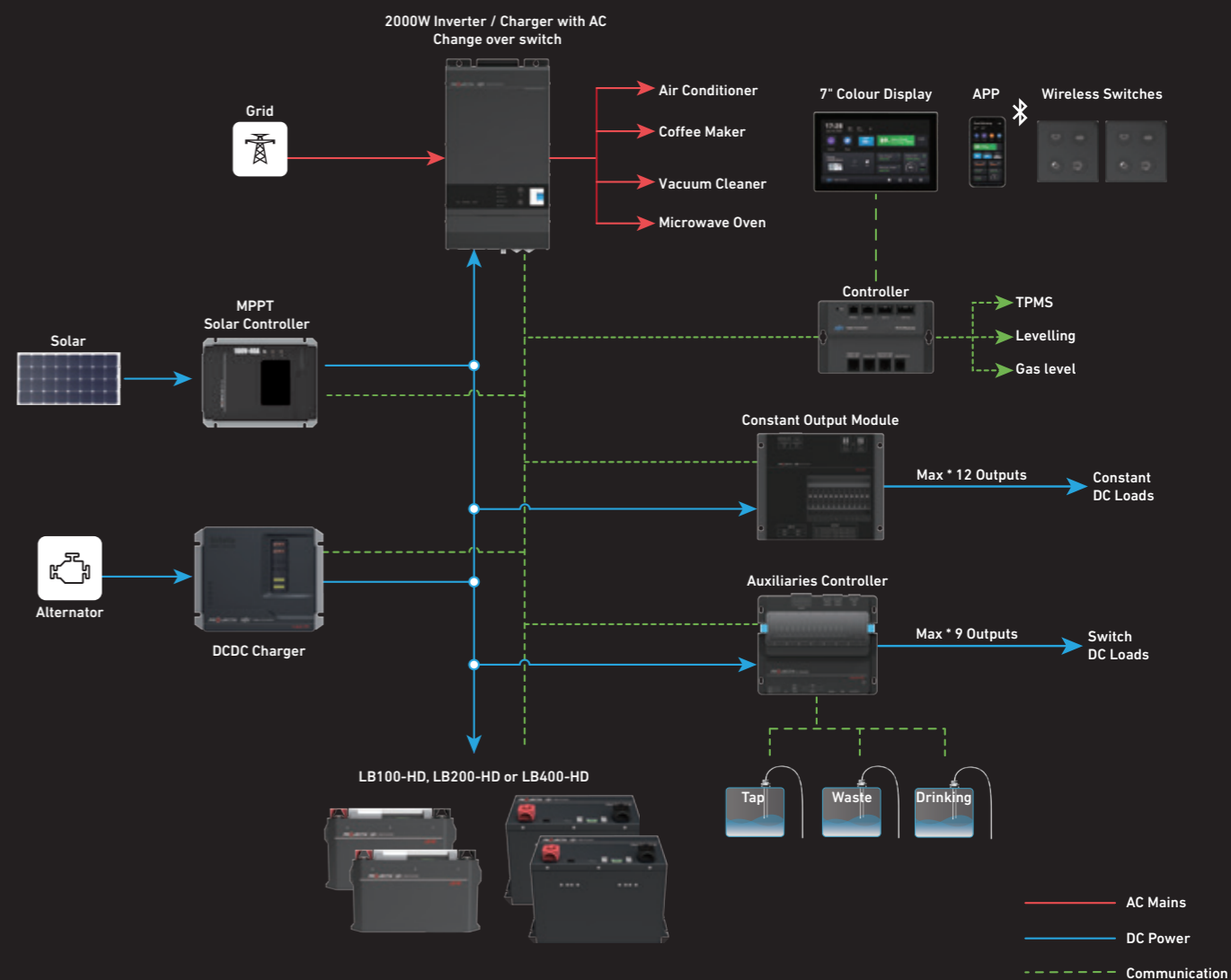
SPECIFICATIONS

PART NO.	IG2-BT7
INVERTER/CHARGER	
PART NO.	INVCHR2
240V CHARGING	
CHARGE TYPE	5 Stage Automatic
INPUT	240VAC, 50/60Hz, 32A(max)
OUTPUT	12V, 120A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
INVERTER	
INPUT	12V (10.5-17V)
OUTPUT	220 / 230 / 240 VAC
FREQUENCY	50/60 Hz
OUTPUT POWER	2000W (4000W Peak)
12V DC-DC CHARGING	
PART NO.	PMDCS30
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	12V, <30A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
ALTERNATOR TYPE	Smart & Conventional
SOLAR CHARGING	
PART NO.	SC540
CHARGE TYPE	5 Stage
INPUT	100V
OUTPUT	40A MPPT
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
LITHIUM BATTERY	
PART NO.	LB200-HD
OUTPUT	12V
BATTERY CAPACITY	200Ah
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY MONITOR	
PART NO.	IGD-BT7
DISPLAY	7" Colour
MEASUREMENT	SOC%, Volts, Amps, Time to go
CONNECTIVITY	Bluetooth
INTELLI-GRID COMMAND	
PART NO.	IGCMD
WATER INPUTS	6
NUMBER OF OUTPUTS	9
LIGHTING MODULE	
PART NO.	PMWLM6
OUTPUTS	3 X 5A, 3 X 9A
APPROVALS	EMC, AS/NZS 60335.2.29

INTELLI-GRID

WANT SOMETHING DIFFERENT FROM WHAT IS PICTURED?

If the standard products shown do not fulfill your specific requirement, contact your local Projecta sales representative to discuss further options.





IG3-BT7 | INTELLI-GRID

MOBILE POWER SYSTEM WITH BLUETOOTH MONITOR

The 3000W powerhouse system, like the IG2-BT7, is full of features and with its upgraded 60Amp DCDC charger it can provide the next level of faster charging on the road.

INTELLI RANGE

12 VOLT
3000 WATT

NEW



KEY FEATURES

INVERTER & GRID POWER
3000W Inverter/Charger with 180A charging, Grid Power Boost and AC transfer. AS/NZS 3001 ready



LITHIUM BATTERY
An advanced and powerful 400Ah lithium battery perfectly matched to the Intelli-Grid system provides the ultimate power for off grid requirements



BLUETOOTH MONITOR
Bluetooth 7" Colour monitor showing SOC, full control of your RV, water, lighting and RV hardware



MULTIPLE CHARGING OPTIONS
60A DC to DC charging and 40 MPPT solar charger for charging from the vehicle or when the sun is shining



ADAPTABLE MODULES
Water and lighting modules are fitted to fully control your RV



SPECIFICATIONS

PART NO.	IG3-BT7
INVERTER/CHARGER	
PART NO.	INVCHR3
240V CHARGING	
CHARGE TYPE	5 Stage Automatic
INPUT	240VAC, 50/60Hz, 32A(max)
OUTPUT	12V, 180A
BATTERIES SUPPORTED	
Wet, Gel, AGM, Lithium	
INVERTER	
INPUT	12V (10.5-17V)
OUTPUT	220 / 230 / 240 VAC
FREQUENCY	50/60 Hz
OUTPUT POWER	3000W (6000W Peak)
12V DC-DC CHARGING	
PART NO.	PMDCS60
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	12V, 60A
BATTERIES SUPPORTED	
Wet, Gel, AGM, Lithium	
ALTERNATOR TYPE	
Smart & Conventional	
SOLAR CHARGING	
PART NO.	SC540
CHARGE TYPE	5 Stage
INPUT	100V
OUTPUT	40A MPPT
BATTERIES SUPPORTED	
Wet, Gel, AGM, Lithium	
LITHIUM BATTERY	
PART NO.	LB400-HD
OUTPUT	12V
BATTERY CAPACITY	400Ah
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY MONITOR	
PART NO.	IGD-BT7
DISPLAY	7" Colour
MEASUREMENT	SOC%, Volts, Amps, Time to go
CONNECTIVITY	Bluetooth
INTELLI-GRID COMMAND	
PART NO.	IGCMD
WATER INPUTS	6
NUMBER OF OUTPUTS	9
LIGHTING MODULE	
PART NO.	PMWLM6
OUTPUTS	3 X 5A, 3 X 9A
APPROVALS	EMC, AS/NZS 60335.2.29

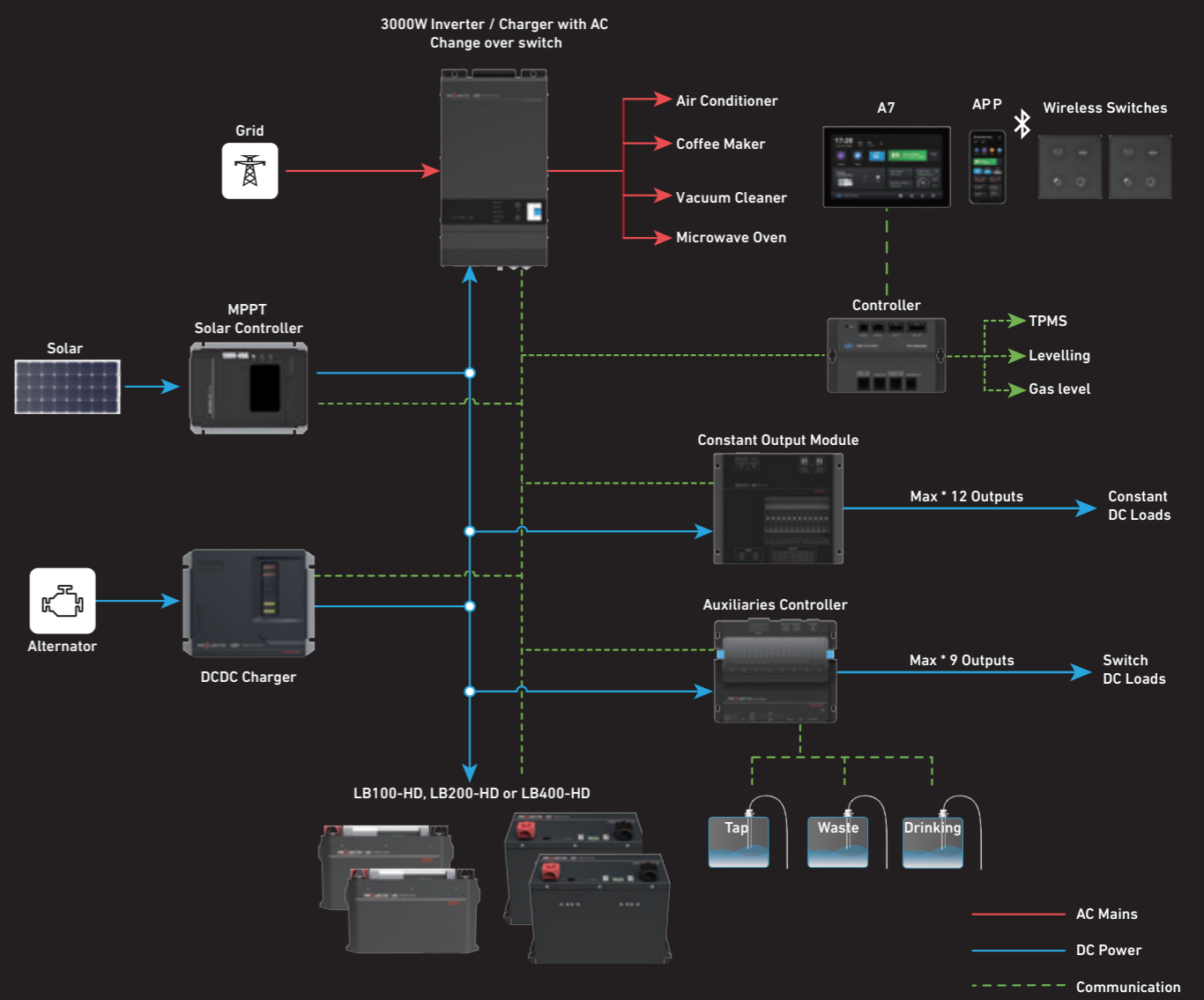
2
YEAR
WARRANTY



INTELLI-GRID

WANT SOMETHING DIFFERENT FROM WHAT IS PICTURED?

If the standard products shown do not fulfill your specific requirement, contact your local Projecta sales representative to discuss further options.



**IG3-48V | INTELLI-GRID****MOBILE POWER SYSTEM WITH BLUETOOTH MONITOR**

Ideal for commercial applications like food trucks, council trucks, utility vehicles and tradesmen setups and even high end RVs. This can be the perfect solution to replace a noisy and smelly generator.

INTELLI RANGE

48 VOLT
3000 WATT**NEW****KEY FEATURES****INVERTER & GRID POWER**

48V 3000W Inverter/Charger with 40A charging, Grid Power Boost and AC transfer. AS/NZS 3001 ready

**LITHIUM BATTERY**

A specialised 48V 100Ah (4.8KWh) battery matched to the Intelli-Grid System provides the perfect off-grid power solution for commercial requirements

**BLUETOOTH MONITOR**

Bluetooth 7" Touchscreen Colour monitor showing SOC, full charge history and event records

**MULTIPLE CHARGING OPTIONS**

1300Wh DC to DC charging which is equivalent to 100A charging at 12V. Fully charge your system in 4 hours

**SOLAR CONTROLLER**

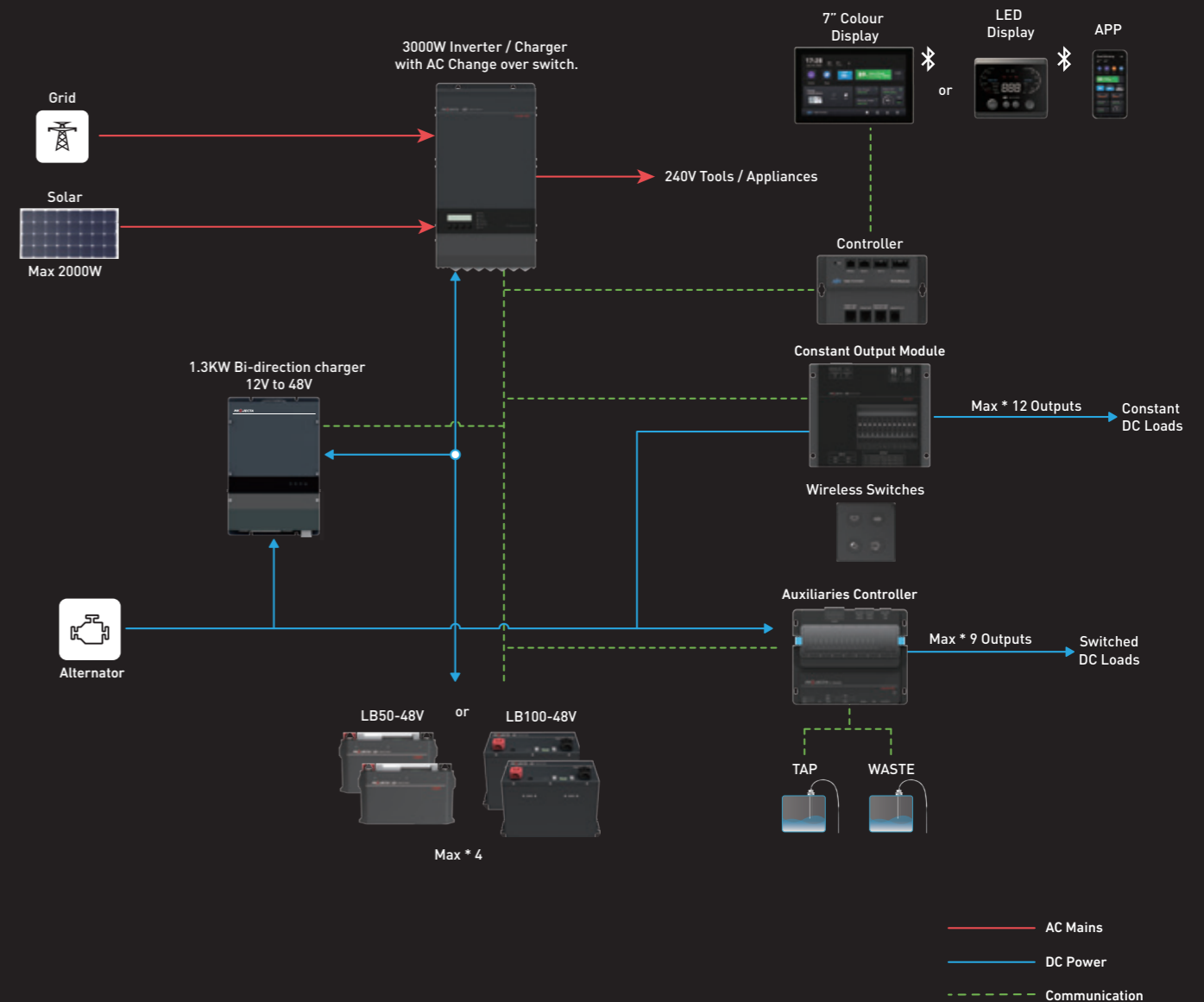
150V 30A MPPT solar controller inbuilt into the Inverter / Charger

**SPECIFICATIONS**

PART NO.	IG3-48V
INVERTER/CHARGER	
PART NO.	INVCHR3-48V
240V CHARGING	
CHARGE TYPE	5 Stage Automatic
INPUT	240VAC, 50/60Hz, 32A(max)
OUTPUT	48V, 40A
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
INVERTER	
INPUT	48V (42-68V)
OUTPUT	220 / 230 / 240 VAC
FREQUENCY	50/60 Hz
OUTPUT POWER	3000W (6000W Peak)
SOLAR CHARGING	
PART NO.	INVCHR3-48V
CHARGE TYPE	5 Stage
INPUT	150V
OUTPUT	30A MPPT
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
48V DC CHARGING	
PART NO.	IGDC1248-1KW
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	48V 1.3KW
BI-DIRECTIONAL	Yes (Can charge / discharge)
BATTERIES SUPPORTED	Wet, Gel, AGM, Lithium
ALTERNATOR TYPE	Smart & Conventional
LITHIUM BATTERY	
PART NO.	LB100-48V
OUTPUT	48V
BATTERY CAPACITY	100Ah (4.8KWh)
BATTERY CHEMISTRY	Lithium Iron Phosphate (LiFePO ₄)
BATTERY MONITOR	
PART NO.	IGD-BT7
DISPLAY	7" Colour
MEASUREMENT	SOC%, Volts, Amps, Time to go
CONNECTIVITY	Bluetooth
APPROVALS	EMC, AS/NZS 60335.2.29

INTELLI-GRID**WANT SOMETHING DIFFERENT FROM WHAT IS PICTURED?**

If the standard products shown do not fulfill your specific requirement, contact your local Projecta sales representative to discuss further options.



INVCHRD-BT | ACCESSORIES

LITHIUM BATTERY MONITOR

Lithium Battery Bluetooth Monitor with integrated remote switch. Allows you to monitor the batteries State of Charge (SOC), current and voltage or Intelli-Grid Inverter/Charger.

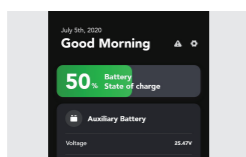


KEY FEATURES

STATE OF CHARGE PERCENTAGE (SOC)
Works as a fuel gauge for the battery



BLUETOOTH APP CONTROL
Monitor the battery status via smart phone or tablet with inbuilt intelligent battery monitoring technology



DIRECT COMMUNICATION
Communicates directly with the battery so no additional shunts are required*



REMOTE INVERTER SWITCH
Can turn the battery on/off remotely for storage purposes



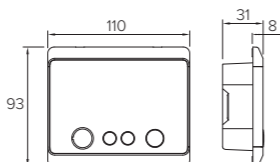
VOLT/AMP MONITORING
Shows current in/out of the battery and voltage



SPECIFICATIONS

PART NO.	INVCHRD-BT
INPUT VOLTAGE	6.5-16Vdc
BATTERY CAPACITY	10-10,000Ah
CABLE LENGTH	5 metres
IP RATING	IP20
WORKING TEMPERATURE	-20-65°C
APPROVALS	EMC

DISPLAY
Battery Voltage, Current / State of Charge (SOC%)
AC output, Power / Frequency / Voltage/ Current
AC Mains Input, Power / Frequency / Voltage/ Current
Alarm & Fault indication



* Not compatible with LB100, LB100-BT, LB50-48V and LB100-48V.

PMD-BT4 | ACCESSORIES

4" DISPLAY TO SUIT INTELLI-RV

Upgrade the Intelli-RV system with this 4" colour LCD, Bluetooth display, showing battery State of Charge (SOC), voltage, temperatures, lighting and water controls.



KEY FEATURES

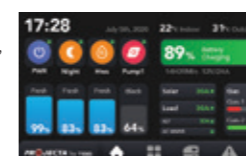
TOUCHSCREEN DISPLAY
Colour 4" Screen with high resolution 420 x 272, with maximum viewing angles



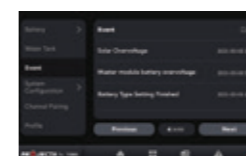
BLUETOOTH
Bluetooth connectivity so you can check your RV remotely via your phone and control your lighting and water



MONITOR DISPLAY
Screen shows voltage, current, SOC, inside and outside temperatures, gas, levelling, TPMS, water and lighting controls



HISTORY RECORDING
This display records alarm and event history that can be viewed at any time

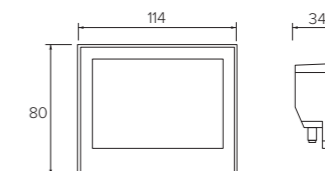


TOUCHSCREEN
Easy to use touch screen provides with seamless operation



SPECIFICATIONS

PART NO.	PMD-BT4
INPUT	9-16V
WORKING CURRENT	130mA Screen On 80mA Screen Off
RESOLUTION	420 X 272
COMMUNICATION	RS485, CAN bus, Bluetooth
WORKING TEMPERATURE	-20-70°C
STORAGE TEMPERATURE	-30-75°C
HUMIDITY	10-90%
WEIGHT	100 grams
IP RATING	IP20
APPROVALS	EMC



PMD-BT7 | ACCESSORIES

7" DISPLAY TO SUIT INTELLI-RV

Upgrade the Intelli-RV system with this 7" Colour display giving the ability to run everything from your RV with the press of a button with multiple control, settings and event screens.



KEY FEATURES

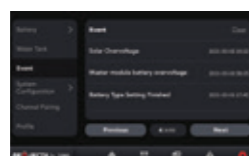
TOUCHSCREEN DISPLAY
Colour 7" Screen with high resolution 1024 x 600

BLUETOOTH
Bluetooth connectivity so you can check your RV remotely via your phone and control your lighting and water

MONITOR DISPLAY
Screen shows voltage, current, SOC, inside and outside temperatures, gas, levelling, TPMS, water and lighting controls

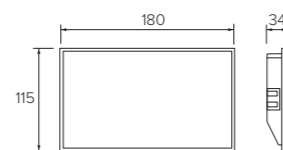
HISTORY RECORDING
This display records alarm and event history that can be viewed at any time

TOUCHSCREEN
Easy to use touch screen provides with seamless operation



SPECIFICATIONS

PART NO.	PMD-BT7
INPUT	12V
WORKING CURRENT	350mA Screen On 200mA Screen Off
RESOLUTION	1024 x 600
COMMUNICATION	RS485, CAN bus, Bluetooth
WORKING TEMPERATURE	-30~70°C
STORAGE TEMPERATURE	-30~85°C
HUMIDITY	10~90%
WEIGHT	200 grams
IP RATING	IP20
APPROVALS	EMC



IGD-BT7 | ACCESSORIES

7" DISPLAY TO SUIT INTELLI-GRID

Upgrade the Intelli-Grid system with this advanced 7" colour display, enabling complete control of your RV or commercial application. Its smart, intuitive design provides all the vital information at the press of a button.



KEY FEATURES

TOUCHSCREEN DISPLAY
Colour 7" Screen with high resolution 1024 x 600

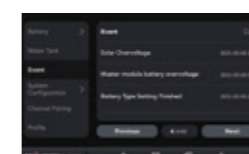
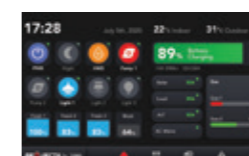
BLUETOOTH
Bluetooth connectivity so you can check your RV remotely via your phone and control your lighting and water

POWER ANALYSIS
Full Power Analysis for reviewing power harvested from solar, DC to DC, mains and power usage

MONITOR DISPLAY
Screen shows voltage, current, SOC, inside and outside temperatures, gas, levelling, TPMS, water and lighting controls

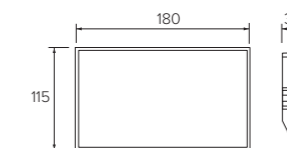
HISTORY RECORDING
This display records alarm and event history that can be viewed at any time

TOUCHSCREEN DISPLAY
Easy to use touch screen provides with seamless operation



SPECIFICATIONS

PART NO.	IGD-BT7
INPUT	12V
WORKING CURRENT	350mA Screen On 200mA Screen Off
RESOLUTION	1024 x 600
COMMUNICATION	RS485, CAN bus, Bluetooth
WORKING TEMPERATURE	-30~70°C
STORAGE TEMPERATURE	-30~85°C
HUMIDITY	10~90%
WEIGHT	200 grams
IP RATING	IP20
APPROVALS	EMC





SC520 & SC540 | ACCESSORIES

5 STAGE MPPT SOLAR CHARGE CONTROLLERS WITH 100V INPUT

Get the most out of your solar array using these Maximum Power Point Tracking (MPPT) solar controllers increasing the charging output by up to 30% (compared to PWM Solar controllers).

INTELLI RANGE

20 AMP
40 AMP
12/24/48 VOLT

NEW



LITHIUM BATTERY COMPATIBLE

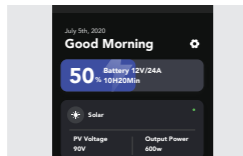


SC520

SC540

KEY FEATURES

BLUETOOTH
Bluetooth connectivity allows you to check your solar charging remotely via your phone



HIGH CURRENT CHARGING
40A model for high current charging



SOLAR INPUT
100V Open circuit Voltage allows for solar panels to be wired in series for maximum efficiency



SOLAR CONTROLLER
98.2% efficient MPPT (Maximum Power Point Tracking) solar controller maximizes the sun's radiation and converts it to power

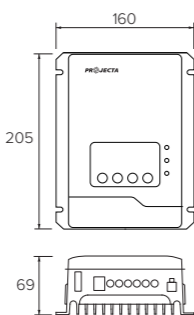


MULTI-CHEMISTRY
Set the charging profile to suit battery chemistry type: Wet, AGM or Gel, or Lithium



SPECIFICATIONS

	20 AMP	40 AMP
PART NO.	SC520	SC540
BATTERY VOLTAGE	12/24/48V	
MAXIMUM SOLAR VOLTAGE	100V	
STANDBY CURRENT	1mA@12V, 3mA at 24V, 5mA at 48V	
CHARGE TYPE	5 Stage	
INPUT	100V	
OUTPUT	20A	40A
CONTROL TYPE	MPPT	
BATTERIES SUPPORTED	Gel, AGM, Wet, Lithium	
TEMPERATURE COMPENSATION	-18mV/12V	
COMMUNICATION	RS485, Bluetooth	
STORAGE TEMPERATURE	-40~70°C	
HUMIDITY	5~95%	
IP RATING	IP31	
WEIGHT	1.4Kg	
COOLING	Convection	
APPROVALS	EMC	



PMDCS30 & PMDCS60 | ACCESSORIES

DC-DC 12V CHARGERS

Smart DC to DC chargers specifically designed for Intelli-RV and Intelli-Grid. Users can choose between 30A or 60A units.

INTELLI RANGE

30 AMP
60 AMP
12 VOLT

NEW

LITHIUM BATTERY COMPATIBLE



PMDCS30

PMDCS60

KEY FEATURES

CHARGING TYPE
DC to DC Charging used to compensate for any voltage drop between the alternator and the tow vehicle, optimising charge to the battery



ADAPTIVE INPUT & OUTPUT
Adaptive input adapts to smaller cables or excessive runs without overloading wiring



MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet and Lithium



IGNITION OVERRIDE
Can act as an ignition override for smart alternators

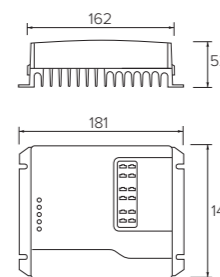


TEMPERATURE COMPENSATION
Temperature compensation to eliminate effects of a change in temperature



SPECIFICATIONS

	30 AMP	60 AMP
PART NO.	PMDCS30	PMDCS60
CHARGE TYPE	5 Stage	
ALTERNATOR INPUT VOLTAGE	12~16V	
OUTPUT	12V, <30A	12V, <60A
BATTERIES SUPPORTED	Gel, AGM, Wet, Lithium	
ALTERNATOR TYPE	Smart & Conventional	
STORAGE TEMPERATURE	-40~70°C	
OPERATING TEMPERATURE	-40~70°C	
TEMPERATURE COMPENSATION	-3mV/°C/Cell	
IP RATING	IP20	
WEIGHT	1.0Kg	
COOLING	Convection	
SMART ALTERNATOR	Turn on 12.2V Turn off 11.6V	
CONVENTIONAL	Turn on 13.2V Turn off 12.8V	
APPROVALS	EMC	



PMDCS30-20 | ACCESSORIES

DC-DC 12V CHARGER WITH 20A BYPASS

Smart 30Amp DC to DC charger specifically designed for Intelli-RV and Intelli-Grid where a 3 way fridge or compressor fridge are used.

30 AMP
12 VOLT

NEW

LITHIUM
BATTERY COMPATIBLE



FEATURES
20 AMP
BYPASS

KEY FEATURES

CHARGING TYPE
30A DC to DC charging used to compensate for any voltage drop between the alternator and the tow vehicle, optimising charge to the battery

RELAY
When the engine is running a relay engages directing alternator power to the 3 way fridge allowing full charge current to the battery

ADAPTIVE INPUT & OUTPUT
Adaptive input adapts to smaller cables or excessive runs without overloading wiring

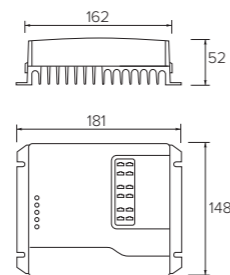
MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet and Lithium

IGNITION OVERRIDE & TEMPERATURE COMPENSATION
Can act as an ignition override for smart alternators and help to eliminate effects of a change in temperature



SPECIFICATIONS

PART NO.	PMDCS30-20
CHARGE TYPE	5 Stage
ALTERNATOR INPUT VOLTAGE	12-16V
OUTPUT	12V, <30A
BATTERIES SUPPORTED	Wet, GEL, AGM, Lithium
ALTERNATOR TYPE	Smart & Conventional
STORAGE TEMPERATURE	-40-70°C
OPERATING TEMPERATURE	-40-70°C
TEMPERATURE COMPENSATION	-3mV/°C/Cell
IP RATING	IP20
WEIGHT	1.0Kg
COOLING	Convection
SMART ALTERNATOR	Turn on 12.2V Turn off 11.6V
CONVENTIONAL	Turn on 13.2V Turn off 12.8V
APPROVALS	EMC



Scan to see how 20A bypass works

IGDC1248-1KW | ACCESSORIES

1300W 12V TO 48V DC-DC CHARGER

Powerful in-vehicle charger charging up to 1.3KW from 12V to 48V. This is equivalent to 100A DC to DC charging in 12V.

NEW

LITHIUM
BATTERY COMPATIBLE



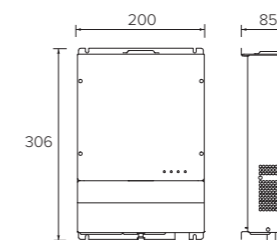
KEY FEATURES

POWERFUL
1.3KW 12VDC to 48V charging, for fast recharging of batteries while driving

SMART DESIGN
Bi-directional design, converts 48V down to 12V up to 100A

COMPATIBLE
Can be used with smart alternators

BOOSTER & STEPDOWN MODES
This converter converts up to 1300W from 12V to 48V and 48V to 12V. Keeping high power at the efficient 48V and 12V readily available for appliances around the vehicle



SPECIFICATIONS

PART NO.	IGDC1248-1KW	
	Booster mode	Stepdown mode
INPUT VOLTAGE	11.6-16V	42-60V
MAX INPUT CURRENT	100A	25A
OUTPUT VOLTAGE	Nominal 48Vdc, adaptive charging	13Vdc
CHARGING ALGORITHM	Premium multi stage	Constant Voltage
MAX OUTPUT CURRENT	25A	100A
EFFICIENCY	Max>94%, Full load>91%	
STANDBY CONSUMPTION	<2mA	
PROTECTION		
INPUT OVER VOLTAGE	Alarm: 14.9Vdc, Protection: 16Vdc	Alarm: 59.6V, Protection: 60Vdc
INPUT UNDER VOLTAGE	AGM/Gel: Protection: 42Vdc, Recovery: 44Vdc Lithium (LiFePO ₄): Protection: 44Vdc, Recovery: 46Vdc	
OVER TEMPERATURE	85°C	
OUTPUT SHORT CIRCUIT	Fuse	Software
ELECTRIC STRENGTH	2000V	
OTHER		
WORKING TEMPERATURE	-25°C - 60°C	
COOLING	Thermal control fan	
IP RATING	IP20	
STRUCTURE	Powder coated steel	
WEIGHT	3kgs	
APPROVALS	EMC	



INVCHR2 | ACCESSORIES

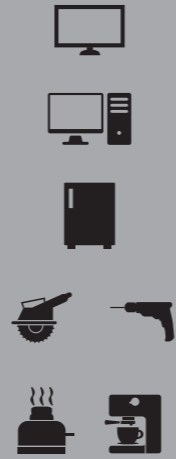
2000W 12V INVERTER/CHARGER

Perfect for powering the most demanding 240V appliances on the go this inverter/charger is ideal for operating on or off the grid. An RCD is included to ensure maximum safety for the unit and operator.

INTELLI RANGE

2000 WATT
12 VOLT

APPLICATION GUIDE



NEW

LITHIUM
BATTERY COMPATIBLE



KEY FEATURES

HIGH CURRENT CHARGING
With high powered charging it charges even large batteries in 2.5 hours from flat



GRID POWER BOOST
Supplements AC mains power / generator with inverter power, when shore power is limited



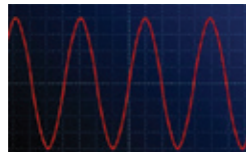
BUILT IN AC TRANSFER SWITCH
Comes with a high speed AC transfer switch so there is no need to worry about changing switches when connected to mains power



MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet, Lead-Carbon and Lithium



LOW FREQUENCY INVERTER
High surge capability to power any appliance like power tools, compressors and sensitive enough to run medical equipment



2
YEAR
WARRANTY



INVCHR3 & INVCHR3-48V | INTELLI-GRID

3000W 12V OR 48V INVERTER / CHARGER

This 3000W Inverter/Charger is ideal for serious power hungry consumers who require lots of power for all their creature comforts on the road. An RCD (INVCHR3 only) is included to ensure maximum safety for the unit and operator.

INTELLI RANGE

3000 WATT
12 OR 48 VOLT

APPLICATION GUIDE



NEW

LITHIUM
BATTERY COMPATIBLE



KEY FEATURES

HIGH CURRENT CHARGING
With high powered charging it charges even large batteries in 2.5 hours from flat



GRID POWER BOOST
Supplements AC mains power / generator with inverter power, when shore power is limited



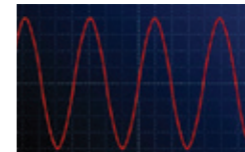
BUILT IN AC TRANSFER SWITCH
Comes with a high speed AC transfer switch so there is no need to worry about changing switches when connected to mains power



MULTI-CHEMISTRY
Adjustable chemistry designed for use on all different types of batteries including Gel, AGM, Wet, Lead-Carbon and Lithium



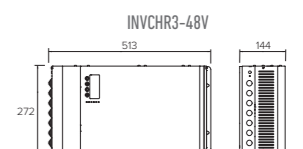
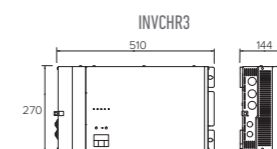
LOW FREQUENCY INVERTER
High surge capability to power any appliance like power tools, compressors and sensitive enough to run medical equipment



2
YEAR
WARRANTY

SPECIFICATIONS

	12 VOLT	48 VOLT
PART NO.	INVCHR3	INVCHR3-48V
240V CHARGING		
CHARGE TYPE	5 Stage Automatic	
INPUT	240VAC, 50/60Hz, 32A(max)	
OUTPUT	12V, 180A	48V, 40A
BATTERIES SUPPORTED	GEL, AGM, Wet, Lithium	
TEMPERATURE COMPENSATION	Yes	
INVERTER		
INPUT	12V (10.5-17V)	48V (42-68V)
OUTPUT	220 / 230 / 240 VAC	
FREQUENCY	50/60 Hz	
OUTPUT POWER	3000W (6000W Peak)	
GRID BOOST OUTPUT	28Amps, (Mains supply + 12.5Amps inverter)	
SOLAR CONTROLLER		
SOLAR CHARGE CONTROL	N/A	MPPT
MAX OUTPUT CURRENT	N/A	30Amps
SOLAR OPEN CIRCUIT VOLTAGE	N/A	150Volts
MPPT VOLTAGE RANGE	N/A	65-145V
AC TRANSFER	<2mSec	
OPERATING TEMPERATURE	-20 ~ 65°C	
WEIGHT	21Kg	20Kg
IP RATING	IP20	
APPROVALS	EMC, AS/NZS 60335.2.29	





LB100-HD LB200-HD | ACCESSORIES

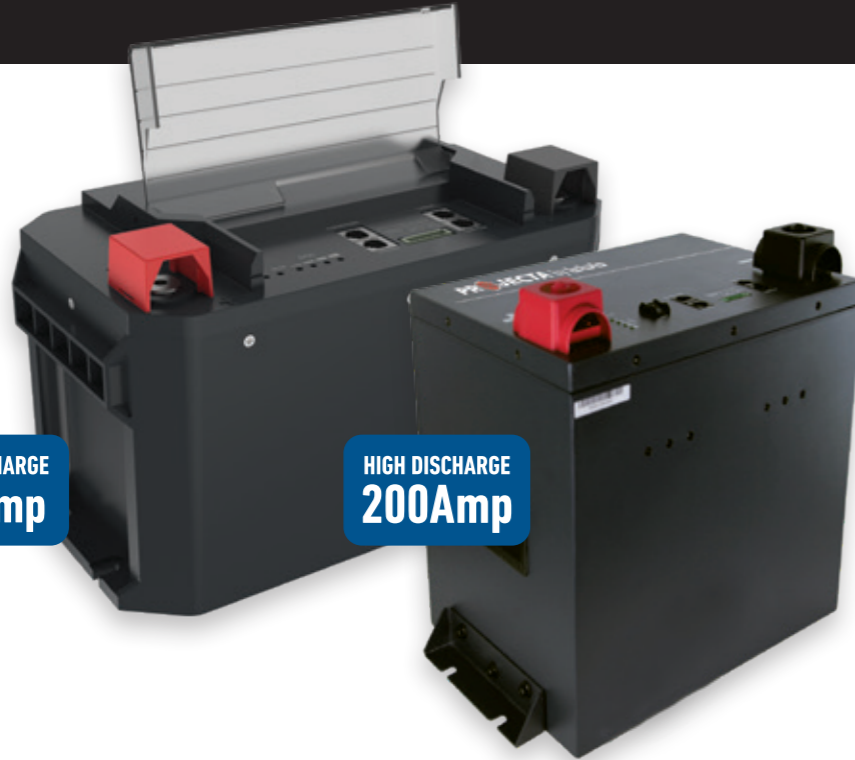
12V HIGH DISCHARGE 100AH/200AH LITHIUM BATTERIES

LB100-HD and LB200-HD boast impressive capabilities and are ideal for 4WDs and caravans with high power demands.

NEW

HIGH DISCHARGE
150Amp

HIGH DISCHARGE
200Amp



INTELLI RANGE

100AH/
200AH
12 VOLT

APPLICATION GUIDE



KEY FEATURES

BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



150A DISCHARGE CURRENT*
150A Discharge current so it can power 2000W inverters



200A DISCHARGE CURRENT^
200A Discharge current ideal for 2000W inverters



BATTERY SWITCH & COMMUNICATION PORTS
Battery Switch (remote & local) to isolate the system in storage & communication ports to talk to systems, displays or other batteries



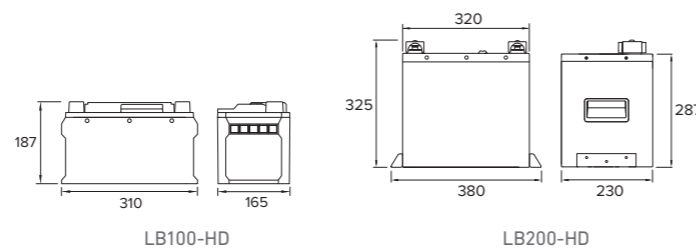
BUILT IN MOUNTING FEET
Built in mounting feet for easy installation



SPECIFICATIONS

PART NO.	LB100-HD	LB200-HD
NOMINAL VOLTAGE	12.8V	12.8V
NOMINAL CAPACITY	100Ah	200Ah
NOMINAL ENERGY	1280Wh	2560Wh
CHARGE VOLTAGE	14.2V ± 0.2V	
DISCHARGE CUT-OFF VOLTAGE	11.2V	
STANDARD CHARGE CURRENT	50Amps	100Amps
MAXIMUM CHARGE CURRENT	100Amps	200Amps
MAXIMUM DISCHARGE CURRENT	150Amps	200Amps
PEAK DISCHARGE CURRENT	225Amps (10sec) 450Amps (1sec)	300Amps (10min)
OPERATING TEMPERATURE	Charge: 0°C ~ +45°C Discharge: -20°C ~ +60°C	
MAXIMUM NUMBER OF BATTERIES IN SERIES	4	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4	4
NUMBER OF DISCHARGE CYCLES	3000	3000
WEIGHT	11 kg	22 kg
APPROVALS	EMC, UN38.3	EMC, UN38.3
IP RATING	IP20	

* Only applicable to LB100-HD
^ Only applicable to LB200-HD



INTELLI RANGE

400Ah
12 VOLT

APPLICATION GUIDE



LB400-HD | ACCESSORIES

12V HIGH DISCHARGE 400AH LITHIUM BATTERY

The LB400-HD is Projecta's powerhouse within the Lithium battery line up. An astonishing 400Ah capacity and a market leading 300A discharge capability make it ideal to partner with high current drawing appliances such as 3000W inverters.

NEW

HIGH DISCHARGE
300Amp



KEY FEATURES

300A DISCHARGE CURRENT
300A Discharge current ideal for 3000W inverters



BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BUILT IN MOUNTING FEET & METAL CASE
Built in mounting feet for easy installation and a rugged metal case



BATTERY SWITCH
Battery Switch to isolate the system in storage



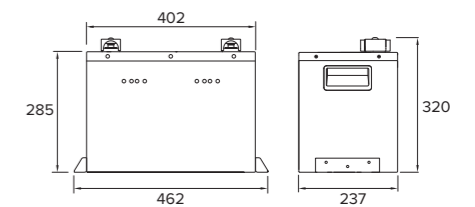
COMMUNICATIONS PORTS
Communications ports to talk to systems, displays or other batteries



SPECIFICATIONS

PART NO.	LB400-HD
NOMINAL VOLTAGE	12.8V
NOMINAL CAPACITY	400Ah
NOMINAL ENERGY	5120Wh
CHARGE VOLTAGE	14.2V ± 0.1V
DISCHARGE CUT-OFF VOLTAGE	11.2V
STANDARD CHARGE CURRENT	90Amps
MAXIMUM CHARGE CURRENT	200Amps
CONTINUOUS DISCHARGE CURRENT	200Amps
PEAK DISCHARGE CURRENT	300Amps (10 min)
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN SERIES	4
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
WEIGHT	43 kg
APPROVALS	EMC, UN38.3
IP RATING	IP20

3
YEAR
WARRANTY





LB50-48VHD | ACCESSORIES

48V 50AH LITHIUM BATTERY

A compact 50Ah Lithium battery specifically suited to 48 volt systems. The LB50-48VHD is features a durable metal housing in addition to a current shunt, battery switch and communication ports to provide status information to remote monitors.

INTELLI RANGE

50Ah
48 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BATTERY SWITCH
Battery Switch to isolate the system in storage



COMMUNICATIONS PORTS
Communications ports to talk to systems or displays



METAL CASE
Heavy duty metal outer enclosure with recessed carry handles ensure strength and long lasting durability



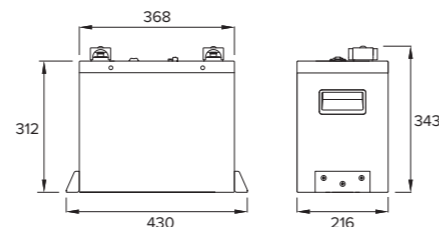
BUILT IN MOUNTING FEET
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB50-48VHD
NOMINAL VOLTAGE	48V
NOMINAL CAPACITY	50Ah
NOMINAL ENERGY	2400Wh
CHARGE VOLTAGE	52.5-54V
DISCHARGE CUT-OFF VOLTAGE	42V
STANDARD CHARGE CURRENT	25Amps
MAXIMUM CHARGE CURRENT	50Amps
MAXIMUM DISCHARGE CURRENT	55Amps (5sec)
CONTINUOUS DISCHARGE	25A
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	2000
WEIGHT	30.4 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3 YEAR WARRANTY



LB100-48VHD | ACCESSORIES

48V 100AH LITHIUM BATTERY

A compact 100Ah Lithium battery specifically suited to 48 volt systems. The LB100-48VHD features a durable metal housing in addition to a current shunt, battery switch and communication ports to provide status information to remote monitors.

INTELLI RANGE

100Ah
48 VOLT

APPLICATION GUIDE



NEW



KEY FEATURES

BUILT IN CURRENT SHUNT
Built in Current Shunt to provide accurate State of Charge (SOC)



BATTERY SWITCH
Battery Switch to isolate the system in storage



COMMUNICATIONS PORTS
Communications ports to talk to systems or displays



METAL CASE
Heavy duty metal outer enclosure with recessed carry handles ensure strength and long lasting durability



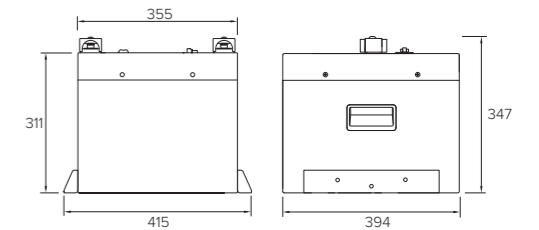
BUILT IN MOUNTING FEET
Built in mounting feet for easy and secure installation



SPECIFICATIONS

PART NO.	LB100-48VHD
NOMINAL VOLTAGE	48V
NOMINAL CAPACITY	100Ah
NOMINAL ENERGY	4800Wh
DISCHARGE CUT-OFF VOLTAGE	43.5Vdc
STANDARD CHARGE CURRENT	50Amps
MAXIMUM CHARGE CURRENT	100Amps
CONTINUOUS DISCHARGE CURRENT	100Amps
PEAK DISCHARGE CURRENT	150Amps for 10sec, 300Amps for 1 sec
OPERATING TEMPERATURE	Charge 0°C ~ 55°C Discharge -20°C ~ 60°C
MAXIMUM NUMBER OF BATTERIES IN PARALLEL	4
NUMBER OF DISCHARGE CYCLES	3000
WEIGHT	40 kg
APPROVALS	EMC, UN38.3
WARRANTY	3 Years
IP RATING	IP20

3 YEAR WARRANTY



PMWSW2 & PMWSW4 | ACCESSORIES

2 POSITION & 4 POSITION WIRELESS SWITCHES

Wireless switches make it easy to install additional switches if required. i.e. additional bedroom switch is easy as 2 screws for installation.

NEW



PMWSW4



PMWSW2

KEY FEATURES

EASY INSTALLATION
Wireless switches make installation of buttons easy



BATTERY POWERED
Runs on batteries keeping a clean look



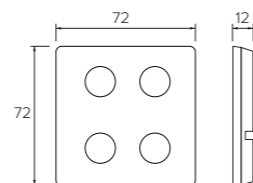
EASY TO PROGRAM
Multiple buttons can be used to trigger the same channel



SPECIFICATIONS

PART NO.	PMWSW2 (2 Button) PMWSW4 (4 Button)
RATED VOLTAGE	5V
BATTERY POWER	2 X CR2032
COMMUNICATION	RF 433Mhz
EFFECTIVE RANGE	Outdoor 30m Indoor 15m
IP RATING	IP20
WORKING TEMPERATURE	-40~60°C
MOUNTING	Surface
WEIGHT	40g

2 YEAR WARRANTY



PMWLM6 | ACCESSORIES

6 CHANNEL OUTPUT MODULE

This 6 channel output module works with wireless switches and can also be controlled via the 4", 7" screen or the phone APP.

NEW



KEY FEATURES

VERSATILE
Can add more modules if more outputs are required



MULTIPLE OUTPUTS
6 channels 3 outputs at 9A,
3 outputs at 5A



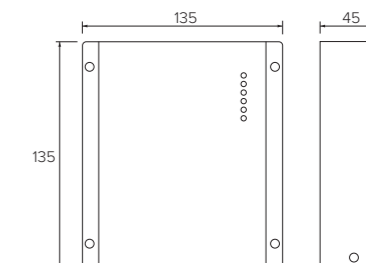
CAN bus COMMUNICATION
A Controller Area Network (CAN bus) allows devices to communicate seamlessly



SPECIFICATIONS

PART NO.	PMWLM6
INPUT VOLTAGE	8-32V (12 or 24V)
WEIGHT	0.5kg
STANDBY CURRENT DRAW	3mA
OUTPUTS	6 5Amps, 3 Channels 9Amps, 3 Channels 42Amps Total
WORKING TEMPERATURE	-40~80°C
IP RATING	IP20

2 YEAR WARRANTY



INTELLI-RV CONTROLLER

Controls communications to external sensors and devices for Intelli-RV.

NEW



KEY FEATURES

EASY CONNECTION
Connects and co-ordinates various sensors to expand the functionality of the INTELLI-RV system

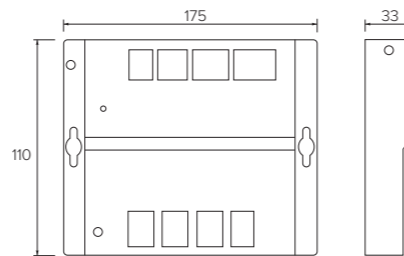
ADAPTABILITY
Gas, TPMS and levelling sensors can be connected to the device



SPECIFICATIONS

PART NO.	PMCOM
INPUT	12V
WORKING CURRENT	80mA
STANDBY CURRENT	5mA
COMMUNICATION	RS485, CAN bus, LIN bus
WORKING TEMPERATURE	-25~60°C
STORAGE TEMPERATURE	-30~85°C
WEIGHT	200g
IP RATING	IP20

2
YEAR WARRANTY



INTELLI-GRID CONTROLLER

Controls communications to external sensors and devices for Intelli-Grid.

NEW



KEY FEATURES

EASY CONNECTION
Connects and co-ordinates the entire system

CHARGING MANAGEMENT
Manages charging if more than one charger is connected

STATE OF CHARGE MANAGEMENT
Sheds loads strategically as the battery SOC decreases by turning on and off the system

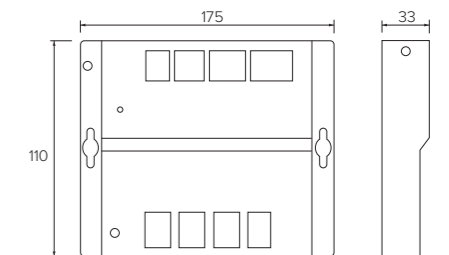
ADAPTABILITY
Gas, TPMS and levelling sensors can be connected to the device



SPECIFICATIONS

PART NO.	IGCOM
INPUT	12~48V
WORKING CURRENT	80mA
STANDBY CURRENT	5mA
COMMUNICATION	RS485, CAN bus, LIN bus
WORKING TEMPERATURE	-25~60°C
STORAGE TEMPERATURE	-30~85°C
WEIGHT	200g
IP RATING	IP20

2
YEAR WARRANTY



PMPMS | ACCESSORIES

TYRE PRESSURE MONITORING SYSTEM MODULE

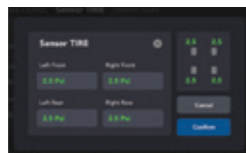
The Tyre Pressure Monitoring System (TPMS) is great for your RV so you can monitor your tyres pressures before and during your journey.



KEY FEATURES

REMOTE MEASURING

Measures tyre pressure remotely and displays on your screen or app



TYRE ALARM

Alarms can trigger if the tyre pressure drops below a preset level



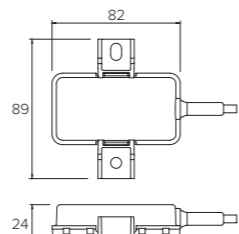
EASY INSTALLATION

Quick and simple installation, with screw on sensors to the tyre valves. Kit includes 4 units which can be simultaneously monitored by the Intelli-Grid system



SPECIFICATIONS

PART NO.	PMPMS
PART NO.	Receiver - PMPMS-R
INPUT	6-24V
WORKING CURRENT	>30mA
STANDBY CURRENT	0.3mA
WORKING TEMPERATURE	-40-85°C
HUMIDITY	<95%
RECEIVING FREQUENCY	433.910Mhz
WIRED COMMUNICATION	RS485
WEIGHT	150g
PART NO.	Senders x 4 - PMPMS-S
WORKING VOLTAGE	2.2-3.6V
BATTERY TYPE	Not replaceable (CR1632)
WORKING CURRENT	<0.4mA
TRANSMITTED POWER	<5dbm
TRANSMITTED FREQUENCY	433.910Mhz
PRESSURE RANGE	14-130PSI
ACCURACY	+/-1.45 PSI
WORKING TEMPERATURE	-30-70°C
WEIGHT	13.8g
APPROVALS	EMC



PMLVL | ACCESSORIES

LEVELLING SENSOR

Levelling your RV has never been easier with our levelling sensor which can be monitored via your phone app when first pulling up to your site getting the RV level as quickly as possible.



KEY FEATURES

BLUETOOTH APP

Levelling sensor can be monitored via the Bluetooth app from the driver's seat of your vehicle or via your colour screen inside the van



EASY CONNECTION

Connects and integrates easily to either Intelli-RV or Intelli-Grid



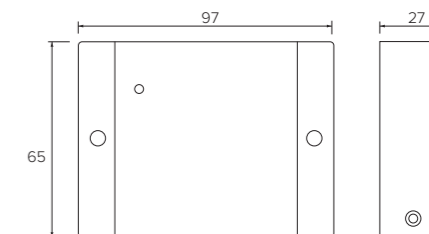
DEGREE MEASUREMENT

Device shows the levelling in degrees



SPECIFICATIONS

PART NO.	PMLVL
WORKING VOLTAGE	9-16V
WORKING CURRENT	<25mA
WORKING TEMPERATURE	-40-65°C
IP RATING	IP20
ACCURACY	+/-5°
APPROVALS	EMC



INTELLI-GRID AUXILIARIES CONTROLLER

This is the input and output controller, with water sensors and switchable devices being connected with it built in fused outputs.



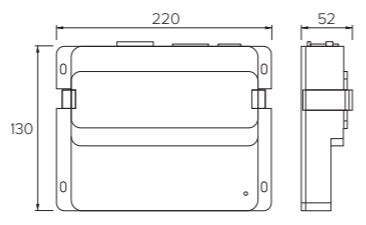
KEY FEATURES

- MEASUREMENTS**
Water tank measurement both high resolution capacitive and conductive
- OUTPUTS**
2 x 9A each lighting control outputs. 7 x relay controlled and fuse protected outputs 15A each, with fuse failure indicators
- LOW VOLTAGE DISCONNECT (LVD)**
Will disconnect outputs as the battery voltage drops saving the battery from being fully depleted and damaged



SPECIFICATIONS

PART NO.	IGCMD
INPUT VOLTAGE	9-32V
INPUT CURRENT	<60A
OUTPUTS	2 x 15A with Bypass 2 x 15A relay 2 x 9A 4 x dry contact
INPUTS	4 x dry contact Capacitive water measurement 3 x Conductive water measurement
COMMUNICATION	CAN bus, RF, RS485, LIN bus
WORKING TEMPERATURE	-40-65°C
APPROVALS	EMC



12 WAY FUSED OUTPUT MODULE

Loads for instance, constant 12V loads like range hoods, other lighting. Still smart enough that it is fitted with low voltage disconnect.



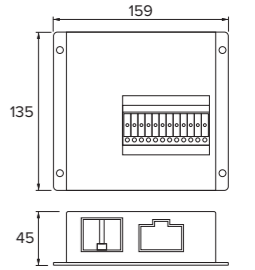
KEY FEATURES

- CONSTANT SUPPLY**
Provides a constant supply load for the Intelli-Grid
- OUTPUTS**
6 fused outputs; 6 x 30A and 6 x 15A
- LOW VOLTAGE DISCONNECT (LVD)**
Will disconnect outputs as the battery voltage drops saving the battery from being fully depleted and damaged



SPECIFICATIONS

PART NO.	IGOM12
NOMINAL VOLTAGE	12V
MAX INPUT CURRENT	80A
OUTPUTS	6x30A fused 6x15A fused
COMMUNICATION	CAN bus, RS485
WORKING TEMPERATURE	-40-65°C
WEIGHT	780g
APPROVALS	EMC



PMSHUNT | ACCESSORIES

500AMP CURRENT SHUNT

This 500Amp current shunt is an ideal partner for Intelli-RV when an inverter or a 3rd party DCDC charger is connected directly to the battery.

NEW



KEY FEATURES

ACCURATE MEASURING
Allows Intelli-RV systems to accurately measure large power loads, keeping an accurate SOC



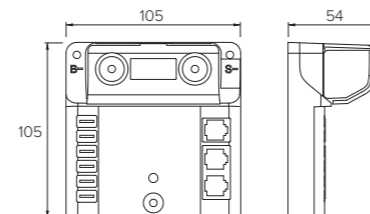
MULTI COMPATIBLE
The Intelli-RV external current shunt is compatible with all Intelli-RV systems and AGM/ Gel/Wet/Lithium battery types



SPECIFICATIONS

PART NO.	PMSHUNT
CONTINUOUS CURRENT	500A
VOLTAGE	7-95V
BATTERY TYPES	Gel, AGM, Wet, Lithium
WORKING TEMPERATURE	-20 ~ 50°C
STORAGE TEMPERATURE	-30 ~ 70°C
VOLTAGE ACCURACY	±0.3%
CURRENT ACCURACY	±0.4%
IP RATING	IP20
SHUNT CURRENT DRAW	15mA

2
YEAR WARRANTY



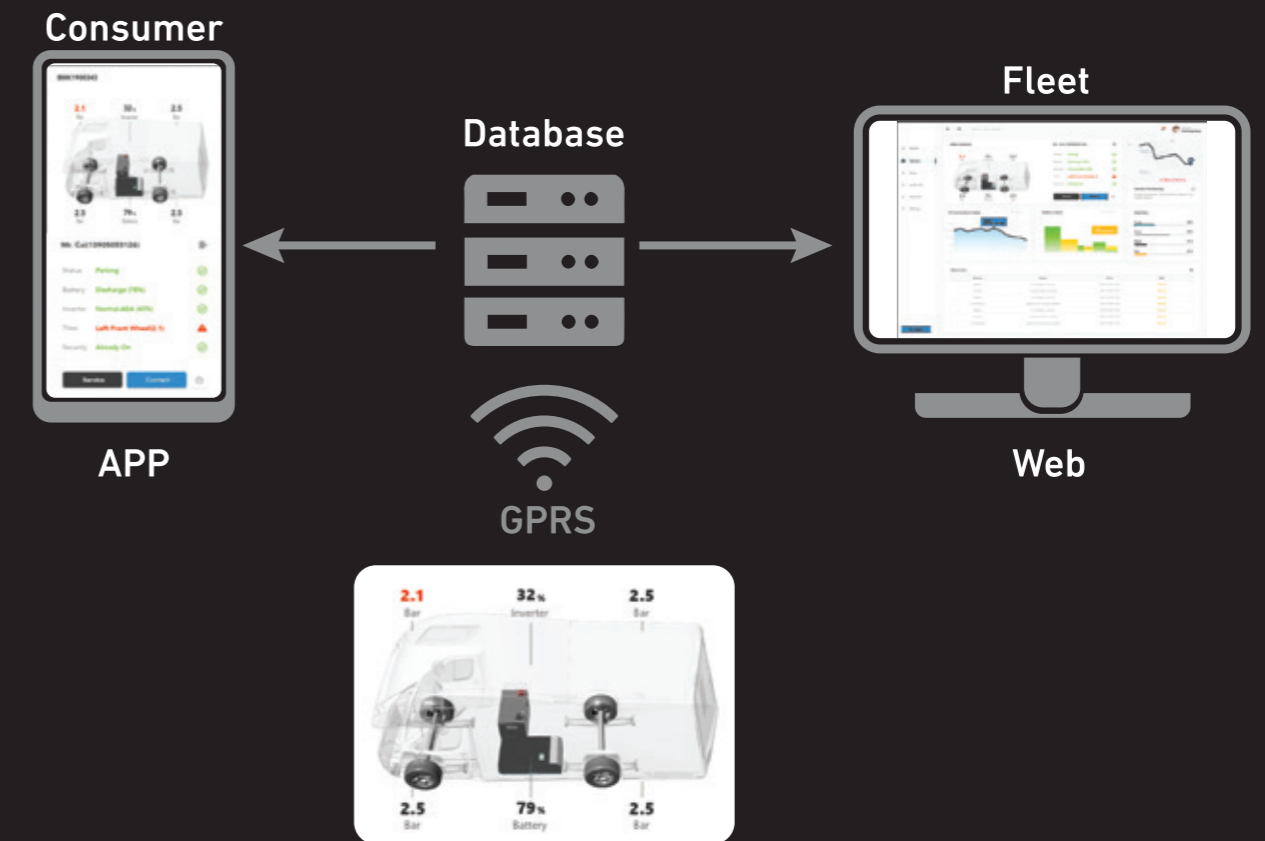
ACCESSORIES

CLOUD BASED TELEMATICS FOR FLEET

With Intelli-RV and Intelli-Grid Projecta offers remote Telematics for caravans and motor homes for rental fleets.

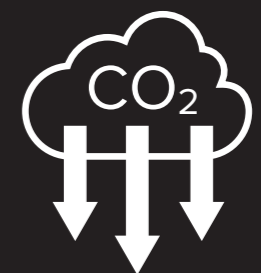
Remote monitoring of location, tyre pressure, fuel tank levels, water tank levels, triggered alarms, battery state of charge and energy data gives owners the ability to keep a record of how their vehicles are running all via an app on their phone or tablet.

Contact Projecta for a fleet quote and details.



MONITOR YOUR POWER CONSUMPTION

The fleet monitoring can even be used for monitoring solar energy being harvested and then that solar energy being used. This is useful for capturing carbon credits which result in rebates from the government.





ACCESSORIES

INTELLI-RV ACCESSORIES

Cables and accessories to replace or make extensions for your Intelli-RV system.

SENSORS

PART NO	DESCRIPTION
PMWS200	200mm Water Sensor with 4.5m Cable
PMWS400	400mm Water Sensor with 4.5m Cable
PMWS200-7.5	200mm Water Sensor with 7.5m Cable
PMBS	Battery Sensor with 3m Cable
PMBS-10	Battery Sensor with 10m Cable

CABLES

PMSWLEDCV2	5m Cable to suit PMSWLED2
PMSWLEDCV-10	10m Cable to suit LED Display (PMSWLED2)
PMLCDCV2	5m Cable to suit PM335-2 / PM435-2
PMLCDCV-10	10m Cable to suit LCD Display (PMLCD2, PMLCD2-BT, PMD-BT4)
PMLCD7CV2	5m Cable to the 7" colour LCD display
PMTEX-2	2m Extension Cable for Temperature Sensor
PMTEX-4	4m Extension Cable for Temperature Sensor
PMBEX-2	2m Extension Cable for Battery Sensor
PMBEX-4	4m Extension Cable for Battery Sensor
PMWEX-4	4m Extension Cable for Water Sensor
PMSWEX-2	2m Extension Cable for Panel Switch, LED and LCD Monitor
PMSWEX-4	4m Extension Cable for Panel Switch, LED and LCD Monitor
PMAC	AC Power Cord, 1.5m

ACCESSORIES

PMTCVR	Large Terminal Cover to suit Intelli-RV (PM210, PM310)
PMIDCLK	Intelli-RV to IDC Charger Link

ALL NEW



PMWS200



PMLCDCV-10



PMTCVR

ACCESSORIES

INTELLI-GRID ACCESSORIES

Cables and extensions for Intelli-Grid.

CABLES

PART NO	DESCRIPTION
IGCM-IGN	5m Ignition signal cable
IGCM-SLR	2m signal cable from Controller to Solar Controller
IGCM-INV	1m signal cable from Controller to Inverter/Charger
IGCM-DC	1m signal cable from Controller to DC charger
IGCM-LT	2m signal cable from Controller to Lighting module
IGCM-AUX	2m signal cable from Controller to Auxiliary controller
IGCM-OM	2m signal cable from Controller to Output Module
IGCM-ECPCM	300mm communication cable from Controller to ECP panel
IGCM-BAT	1m signal cable from Controller to lithium Battery
IGCM-ECP	300mm signal cable from Controller to ESP panel
IGCM-SPR	300mm signal cable for spare
IGCM-TMP	300mm temperature sampling cable for indoor and outdoor
IGCM-GND	1m GND cable from Controller
IGCM-STB	300mm power cable from Controller to starter battery
IGCM-SRB	3m power cable from Controller to service battery
IGCM-TMP	300mm temperature sampling cable (spare)
IGTMP-2	2m temperature sensor cable (indoor)
IGTMP-4	4m temperature sensor cable (outdoor)
IGD7C-10	10m cable from 7inch Display to Controller
IGAUX-WTR	1m cable from Auxiliary controller to water sensor

ALL NEW



IGCM-OM



PMF10A PMF15A PMF35A

FUSES

PMF10A	10A Fuse to suit Intelli-RV or Intelli-Grid
PMF15A	15A Fuse to suit Intelli-RV or Intelli-Grid
PMF35A	35A Fuse to suit Intelli-RV or Intelli-Grid





LVD30 | INTELLI-VOLT LOW VOLTAGE DISCONNECT

The ideal solution for protecting expensive deep cycle batteries from over-discharge. Automatically disconnects the load when the LVD detects the voltage has dropped to the disconnection point, ideal for 4WDs, camper trailers and smaller caravan applications.

INTELLI RANGE

30 AMP
12 VOLT



LVD50 | INTELLI-VOLT LOW VOLTAGE DISCONNECT

The ideal solution for protecting expensive deep cycle batteries from over-discharge. Automatically disconnects the load when the LVD detects the voltage has dropped to the disconnection point, ideal for caravan and motor home applications.

INTELLI RANGE

50 AMP
12 VOLT

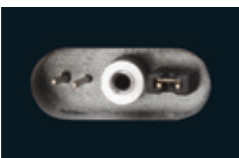


KEY FEATURES

BATTERY PROTECTION
Prevents damaging the battery through over-discharge



ADJUSTABLE DISCONNECT POINT
Set the disconnect voltage to best suit the application



L.E.D STATUS INDICATOR
Multi-colour L.E.D indicates connection status of LVD



VIBRATION & WEATHER PROOF
Potted electronics prevent dust and water ingress (IP65)

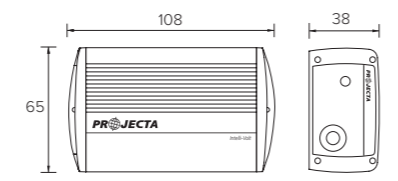


COMPACT SIZE
Robust mounting points and compact size permit easy fitment



SPECIFICATIONS

PART NO.	LVD30
INPUT VOLTAGE	10-16V
OUTPUT CURRENT	30A
CONTROL TYPE	MOSFET
DISCONNECT VOLTAGE SETPOINTS	10.0V, 10.5V, 11.0V, 12.0V
CUT-OUT DELAY	1 minute
RECONNECT VOLTAGE	13.0V
FUSE PROTECTED	30A (1 x 30A)
REVERSE POLARITY	Built-in
THERMAL CUTOUT	65°
IP RATING	IP65
CURRENT DRAW	10mA



KEY FEATURES

BATTERY PROTECTION
Prevents damaging the battery through over-discharge



ADJUSTABLE DISCONNECT POINT
Set the disconnect voltage to best suit the application



L.E.D STATUS INDICATOR
Multi-colour L.E.D indicates connection status of LVD



VIBRATION & WEATHER PROOF
Potted electronics prevent dust and water ingress (IP65)

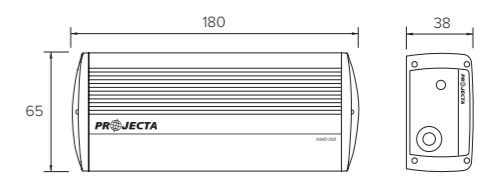


COMPACT SIZE
Robust mounting points and compact size permit easy fitment



SPECIFICATIONS

PART NO.	LVD50
INPUT VOLTAGE	10-16V
OUTPUT CURRENT	50A
CONTROL TYPE	MOSFET
DISCONNECT VOLTAGE SETPOINTS	10.0V, 10.5V, 11.0V, 12.0V
CUT-OUT DELAY	1 minute
RECONNECT VOLTAGE	13.0V
FUSE PROTECTED	60A (2 x 30A)
REVERSE POLARITY	Built-in
THERMAL CUTOUT	65°
IP RATING	IP65
CURRENT DRAW	10mA



VOLTAGE REDUCERS

Designed to convert 24V power to 12V, Projecta's range of voltage reducers offer a convenient solution when powering 12V appliances including radios, mobile phones, TVs and onboard communication equipment from 24V vehicles.

PROTECTION

Under & over voltage protection
 Short circuit protection
 Overload protection
 Over temperature protection
 Reverse polarity protection

SPECIFICATIONS

INPUT VOLTAGE	15-40V
OUTPUT VOLTAGE	13.6V
OVER TEMPERATURE SHUT DOWN	80°C
IP RATING	IP68

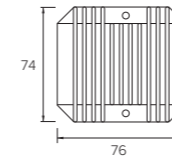


VR020 20 AMP VOLTAGE REDUCER

Offering enough grunt to power all your radio and communication equipment along with the fitment of a 12V 10A accessory plug (not included).

SPECIFICATIONS

CONSTANT OUTPUT CURRENT	N/A
IGNITION SWITCHED OUTPUT CURRENT	20A
STANDBY OPERATING CURRENT	30mA
OPERATIONAL CURRENT DRAW	70mA
EFFICIENCY	95%



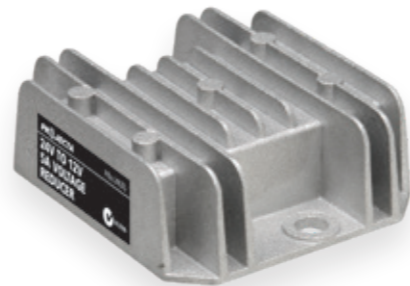
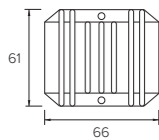
Height 32mm

VR005 5 AMP VOLTAGE REDUCER

Perfect for the smaller power requirements of radios, UHF devices etc. Features constant output voltage ideal for retaining vehicle radio memory.

SPECIFICATIONS

CONSTANT OUTPUT CURRENT	5A
IGNITION SWITCHED OUTPUT CURRENT	5A (Total output is 5A)
STANDBY OPERATING CURRENT	15mA
OPERATIONAL CURRENT DRAW	20mA
EFFICIENCY	92%



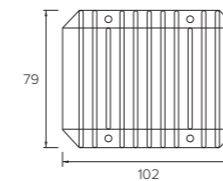
Height 23mm

VR030 30 AMP VOLTAGE REDUCER

The largest in the range, this unit will run all your 12V appliances and have capacity to spare.

SPECIFICATIONS

CONSTANT OUTPUT CURRENT	N/A
IGNITION SWITCHED OUTPUT CURRENT	30A
STANDBY OPERATING CURRENT	50mA
OPERATIONAL CURRENT DRAW	240mA
EFFICIENCY	94%



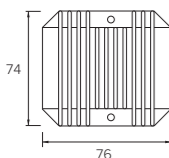
Height 37mm

VR010 10 AMP VOLTAGE REDUCER

Ideal for partnering up with a 10A cigarette lighter socket powering 12V accessories. Features constant output voltage ideal for retaining vehicle radio memory.

SPECIFICATIONS

CONSTANT OUTPUT CURRENT	10A
IGNITION SWITCHED OUTPUT CURRENT	10A
STANDBY OPERATING CURRENT	15mA
OPERATIONAL CURRENT DRAW	60mA
EFFICIENCY	95%



Height 32mm



SWITCHES & POWER POINTS

SWITCHES

252

A new range of blank and labelled double pole switches to suit a variety of caravan and camper trailer electrical appliances.

POWER POINTS

256

A new range of double pole power points with an array of styles and outlet options for classic and modern interiors.





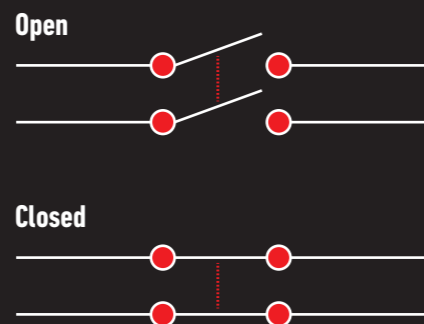
SWITCHES & POWER POINTS

Introducing a new range of stylish switches and power points from Projecta. Featuring blank and labelled switches, as well as removable snap-on/snap-off cover plates, they are available in a host of different colours and outlet options to suit a wide range of interiors and electrical applications.

ALL NEW

DOUBLE POLE

Double pole switches are connected to two separate electric circuits (throws) and have two states 'on' (closed) or 'off' (open). They contain two switches which are linked together and can complete the circuit either simultaneously or staggered. There are four terminals in total; two inputs and two outputs. Double pole circuits are crucial for moving vehicles and homes, as vibrations can cause a single pole circuit to turn on more easily than a double pole circuit.



MIX AND MATCH COMBINATIONS

Interchangeable fascias, switch bases and GPO's enable the mixing and matching of colours for a truly personalised appearance. Match colours with appliances or contrast the walls and benchtops. Black on black, white on black, black on silver – the choice is yours.

ALL NEW



WHITE SINGLE POWER POINT WITH BLACK SWITCH



SILVER DOUBLE POWER POINT WITH BLACK SWITCHES



BLACK SINGLE POWER POINT WITH WHITE SWITCH



SILVER DOUBLE POWER POINT WITH WHITE SWITCHES



WHITE SINGLE POWER POINT WITH SILVER SWITCH



BLACK DOUBLE POWER POINT WITH SILVER SWITCHES



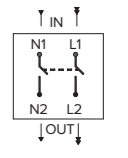
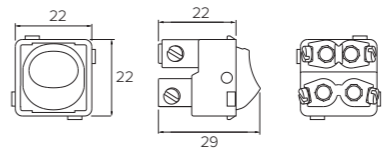
ALL NEW

SWITCHES



SW240-M10PU (Pack of 10)
10 AMP 2 WAY "PUMP" SWITCH MECHANISM DOUBLE POLE - WHITE

- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100



ALL NEW

SWITCHES



SW240-M10W (Pack of 10)
10 AMP 2 WAY SWITCH MECHANISM DOUBLE POLE - WHITE

- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100

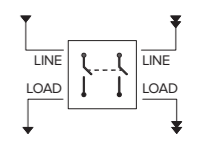
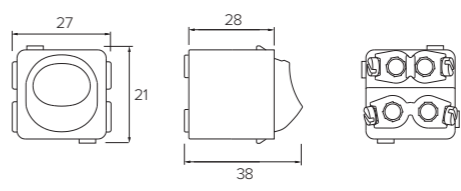
SW240-M10B	As above Black
SW240-M10S	As above Silver



SW240-M35ST (Pack of 10)

35 AMP 2 WAY "STOVE" SWITCH MECHANISM DOUBLE POLE - WHITE

- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 35Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100

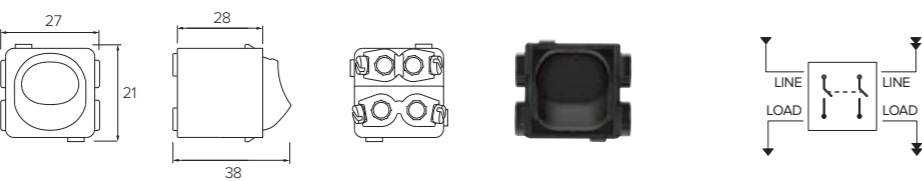


SW240-M35W (Pack of 10)

35 AMP 2 WAY SWITCH MECHANISM DOUBLE POLE - WHITE

- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 35Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100

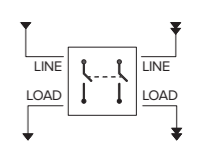
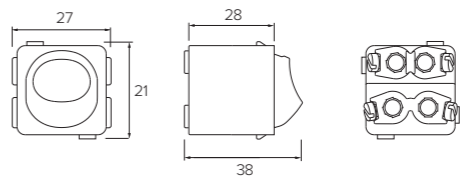
SW240-M35B	As above Black
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SW240-M35HW (Pack of 10)

35 AMP 2 WAY "HOT WATER SYSTEM" SWITCH MECHANISM DOUBLE POLE - WHITE

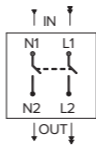
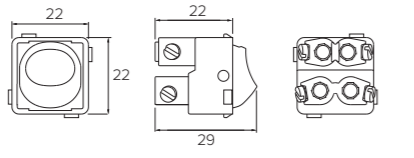
- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 35Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100



SW240-M10FR (Pack of 10)

10 AMP 2 WAY "FRIDGE" SWITCH MECHANISM DOUBLE POLE - WHITE

- Double Pole, Single Throw (DPST)
- Supply voltage: 230-240V A.C
- Current Rating: 10Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100





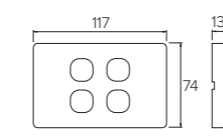
ALL NEW

SWITCHES



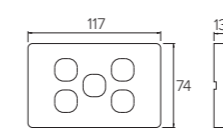
SW240-GANG4W (Pack of 10)
4 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG4B As above Black
- SW240-GANG4S As above Silver



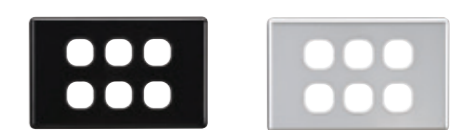
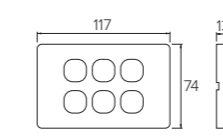
SW240-GANG5W (Pack of 10)
5 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG5B As above Black
- SW240-GANG5S As above Silver



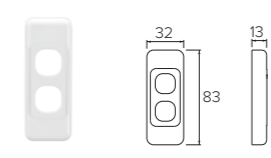
SW240-GANG6W (Pack of 10)
6 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG6B As above Black
- SW240-GANG6S As above Silver



SW240-ARCH1W (Pack of 10)
1 GANG BLANK ARCHITRAVE SWITCH PLATE - WHITE

- SW240-ARCH2W As above 2 Gang



ALL NEW

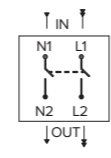
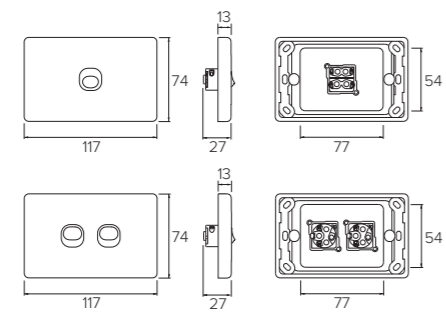
SWITCHES



SW240-GANGC1W (Pack of 10)
1 GANG SWITCH PLATE INCLUDING 10 AMP MECHANISM - WHITE

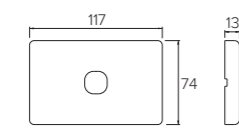
SW240-GANGC2W As above 2 Gang

- Double Pole, Single Throw (DPST)
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Locked rotor current rating: 98Amp
- Standards: AS/NZS 3133 & 3100



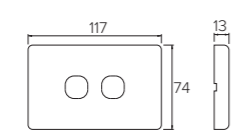
SW240-GANG1W (Pack of 10)
1 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG1B As above Black
- SW240-GANG1S As above Silver



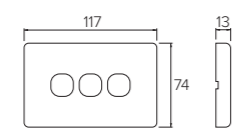
SW240-GANG2W (Pack of 10)
2 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG2B As above Black
- SW240-GANG2S As above Silver



SW240-GANG3W (Pack of 10)
3 GANG BLANK SWITCH PLATE - WHITE

- SW240-GANG3B As above Black
- SW240-GANG3S As above Silver





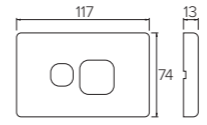
ALL NEW

POWER POINTS



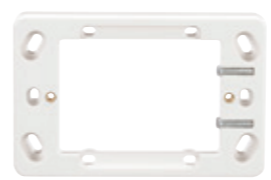
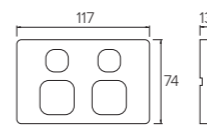
SW240-GPO1FASCIAW (Pack of 10)
SINGLE GPO POWER POINT FASCIA - WHITE

- SW240-GPO1FASCIAB As above Black
- SW240-GPO1FASCIAS As above Silver



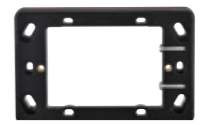
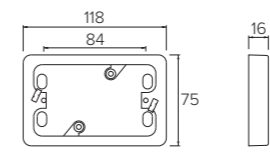
SW240-GPO2FASCIAW (Pack of 10)
DOUBLE GPO POWER POINT FASCIA - WHITE

- SW240-GPO2FASCIAB As above Black
- SW240-GPO2FASCIAS As above Silver

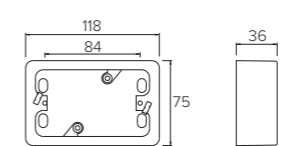


SW240-MOUNT16W (Pack of 10)
16MM MOUNTING BLOCK - WHITE

- SW240-MOUNT16B As above Black



SW240-MOUNT36W (Pack of 10)
36MM MOUNTING BLOCK - WHITE



ALL NEW

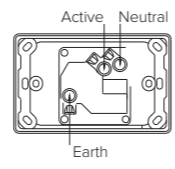
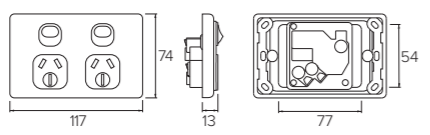
POWER POINTS



SW240-GPO1W (Pack of 10)
10A SINGLE GPO POWER POINT - WHITE

- Double Pole
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Standards: AS/NZS 3112, 3133 & 3100

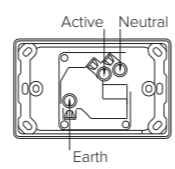
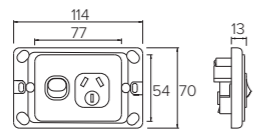
SW240-GPO2W As above Double



SW240-GPO1BASEB (Pack of 10)
10A SINGLE GPO POWER POINT - BLACK WITHOUT FASCIA

- Double Pole
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Standards: AS/NZS 3112, 3133 & 3100

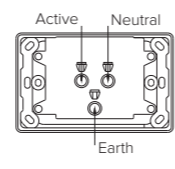
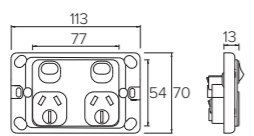
SW240-GPO1BASES As above Silver



SW240-GPO2BASEB (Pack of 10)
10A DOUBLE GPO POWER POINT - BLACK WITHOUT FASCIA

- Double Pole
- Supply Voltage: 230-240V A.C
- Current Rating: 10Amp
- Standards: AS/NZS 3112, 3133 & 3100

SW240-GPO2BASES As above Silver





TOWING & SAFETY

TRAILER BREAKAWAY 260

The Sure Brake breakaway provides absolute safety and is a legal requirement for trailers weighing 2000kg or more.





SURE BRAKE TRAILER BREAKAWAY

ALWAYS CHARGED, ALWAYS SAFE

Activates electric trailer brakes in the event of disconnection while towing, bringing the trailer safely to a stop.

Once activated the brakes will remain on for 15 minutes before disengaging. For any trailer weighing more than 2000kg, a breakaway safety system is a legal requirement to ensure safety on the road.



ALL NEW

Designed to bring disconnected trailers to a stop by activating their electric brakes, the Sure Brake (TBS700) breakaway system provides peace of mind in the event of accidental disconnection during towing. Suitable for boat trailers, caravans and campers, Sure Brake incorporates its own 12V battery, charging system, test circuitry and fault protections for reliable operation.

FEATURES & BENEFITS

BATTERY MONITORING



A push-to-test button and status L.E.D.s allow a quick check of battery condition and charging status.

EASE OF INSTALLATION



Durable battery case houses everything except the breakaway switch and can be installed anywhere in or on the trailer.

MULTIPLE CHARGING OPTIONS



Charging options include vehicle (Inc. Smart Alternators), caravan battery, solar, and AC battery chargers.

BREAKAWAY SWITCH WITH COILED CABLE & CARABINER



The breakaway switch is a fail safe switch that is easy to install. The coiled cable prevents it getting caught up on the road and accidentally triggering the brakes or being damaged.

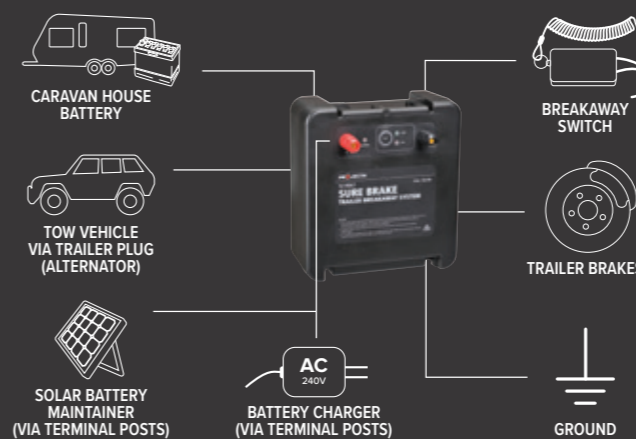
PRE-WIRED



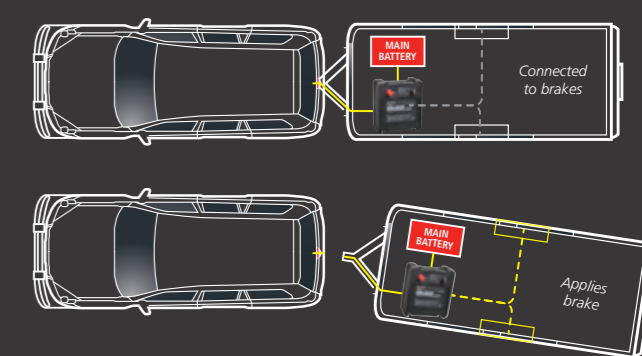
Pre-wired colour coded inputs and outputs for ease of installation.

INSTALLATION GUIDE

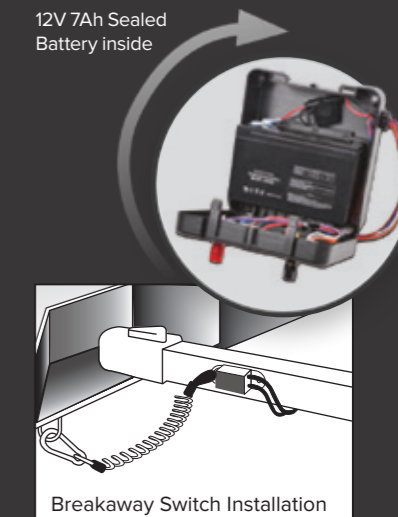
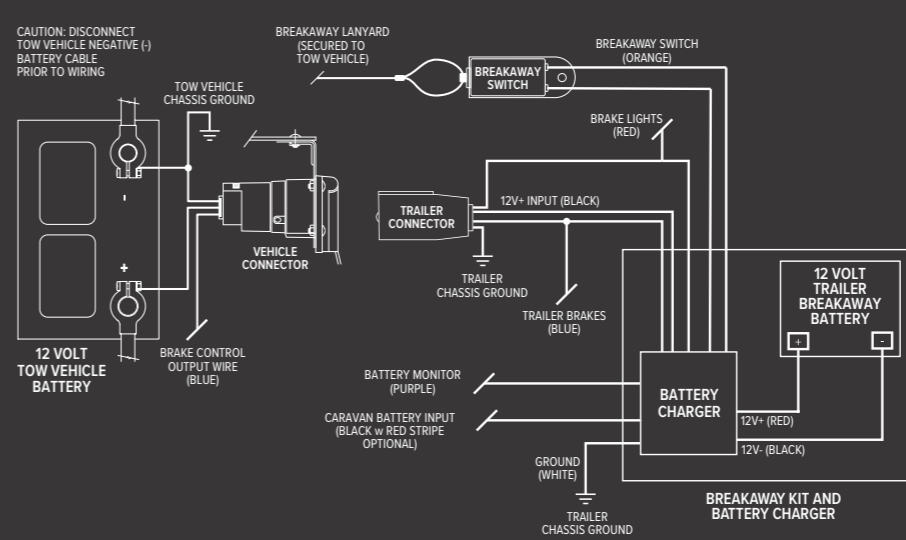
CHARGING OPTIONS



CARAVAN INSTALLATION



WIRING



Breakaway Switch Installation



TBS700 | SURE BRAKE

TRAILER BREAKAWAY

Activates electric trailer brakes in the event of disconnection while towing, bringing trailer safely to a stop.



ALL NEW

12 VOLT KIT

APPLICATION GUIDE



TBS700 | SURE BRAKE

WHAT YOU NEED TO KNOW

Trailer breakaway systems activate the brakes of a trailer or caravan if it were to break away from the tow vehicle. This ensures a higher level of safety when on the road and reduces the chances of damaging the trailer or caravan, or anything they may hit if they become disconnected from your tow vehicle.

This system is a legal requirement for trailers and caravans with a Gross Trailer Mass over 2000kg. To comply with regulations the brakes must remain applied for a minimum of 15 minutes after being activated.

When installed, a pin is connected to the device and the vehicle. When the pin is engaged the brakes on the trailer or caravan will work as normal, however if the pin is disengaged for any reason, the brakes will activate and stop or slow the trailer or caravan down to a stop if this occurs at speed.

Once the pin is disengaged the system runs on a battery, meaning it can only be used for a certain amount of time and therefore cannot be used as an anti-theft device or second hill braking system. As soon as the battery in the system discharges the brakes will disengage.

At the time of connection, it is good practice to ensure the coiled cable is connected directly to the chassis of the car and not on the chains or D shackles. This means that if a chain or shackle were to fail, the system stays connected to the vehicle.

The trailer breakaway system comes with a switch and a battery case. The switch is mounted to the A frame of the trailer and has a coiled cable and carabiner that keeps the cable off the ground, ensuring it doesn't get damaged or triggered by accident. The battery case houses the 12V 7Ah battery, charger and remote monitoring output wires which allows it to be installed out of view.

KEY FEATURES

BATTERY MONITORING

A push-to-test button and status L.E.D.s allow a quick check of battery condition and charging status



EASE OF INSTALLATION

Durable battery case with fitted 7Ah sealed battery, pre-wired for ease of fitment either internally or externally on trailer



MULTIPLE CHARGING OPTIONS

Multiple charging options ensures the Sure Brake battery is charged and always ready



POTTED CIRCUITRY

Excellent vibration and weather resistance for improved reliability

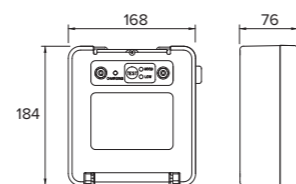


SPECIFICATIONS

PART NO.	TBS700
BATTERY	12V 7Ah Sealed Lead-Acid
CHARGING INPUT	12V, via alternator, house battery or external
CHARGING MODE	Trickle ($\geq 13.5V$)
STATUS L.E.D.s (Under Load)	Green = good ($> 11.5V$) Red = poor ($< 11.5V$)
PROTECTIONS	Over voltage, over current, short circuit, reverse polarity
MEETS EMC STANDARD	IEC61000-6-3, meets ADR 38



SCAN TO SEE HOW SURE BRAKE WORKS



As Projecta's Sure Brake Breakaway System comes with its own dedicated battery and charger, this provides the opportunity for multi charging options, including a house battery of a caravan, an alternator of a tow vehicle via the trailer plug, a solar battery maintainer or an external battery charger via the terminal posts.

REPLACEMENT PARTS:

- TBS-SW Replacement Breakaway switch with coiled cable and carabiner
- TBS-BAT7 Replacement 7Ah battery

- Recommended Chargers
- AC: AC008, AC015
- Solar: SPA5, SPA10



BOOSTER CABLES

BOOSTER CABLES 266
An extensive range of quality booster cables for the D.I.Y through to the professional and workshop user

SURGE PROTECTORS 270
A range of surge protectors offering easy installation and L.E.D battery level indicators

BATTERY CLAMPS & CLIPS 271
High quality solid brass battery clamps and nickel plated test clips





D.I.Y

BOOSTER CABLES

Quality constructed D.I.Y booster cable range suitable for 12V vehicles. D.I.Y range suits small to mid-sized vehicles.



100-400A
12V

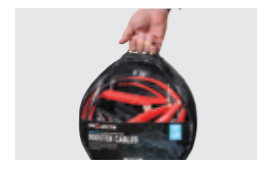
APPLICATION GUIDE

KEY FEATURES

SURGE PROTECTION
Guards vehicle electronics from voltage spikes
* Excluding SB100



STORAGE BAG
Convenient carry bag for storing cables



CCA CABLE
The D.I.Y range utilises a copper clad aluminium cable. This ensures they meet non-commercial applications whilst providing ample power



FULLY INSULATED CLAMP
Protects user from accidental short through clamps



D.I.Y SPECIFICATIONS – CCA CABLE

PART NO.	AMP*	CABLE SIZE	CABLE LENGTH	APPLICATION (Petrol)	SURGE PROTECTION	CLAMP
SB100	100	4mm ²	2.5m	4 cylinder vehicle	NO	Steel Clamp, Copper Plated
SB200SP	200	9mm ²	2.5m	4 and 6 cylinder vehicles	YES	
SB400SP	400	15mm ²	2.5m	6 and 8 cylinder vehicles	YES	

*AMP rating is an industry reference only.



WORKSHOP

BOOSTER CABLES

Quality constructed Workshop booster cable range suitable for 12V or 24V vehicles. Workshop range suitable for heavy-duty requirements suiting larger 8 cylinder vehicles and industrial vehicles.



500-1000A
12/24V

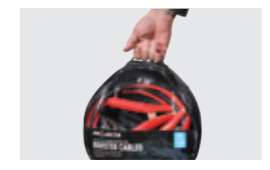
APPLICATION GUIDE

KEY FEATURES

SURGE PROTECTION
Guards vehicle electronics from voltage spikes



STORAGE BAG
Convenient carry bag for storing cables



PURE COPPER CABLE
Offering superior conductivity and insulation for exceptional current transfer



FULLY INSULATED CLAMP
Protects user from accidental short through clamps



WORKSHOP SPECIFICATIONS – PURE COPPER CABLE

PART NO.	AMP*	CABLE SIZE	CABLE LENGTH	APPLICATION	CLAMP
SB500SP	500	16mm ²	3.5m	8 cylinder petrol vehicles	Steel Clamp, Brass Teeth
SB600SP	600	25mm ²	3.5m	Diesel vehicles	
SB750SP	750	35mm ²	3.5m	Commercial vehicles	
SB750-60SP	750	35mm ²	6.0m	Commercial vehicles	
SB900SP	900	50mm ²	3.5m	Heavy commercial & industrial vehicles	
SB900-60SP	900	50mm ²	6.0m	Heavy commercial & industrial vehicles	
SB1000-60SP	1000	70mm ²	6.0m	Construction & earth moving machinery	

*AMP rating is an industry reference only.



PREMIUM HEAVY-DUTY NITRILE

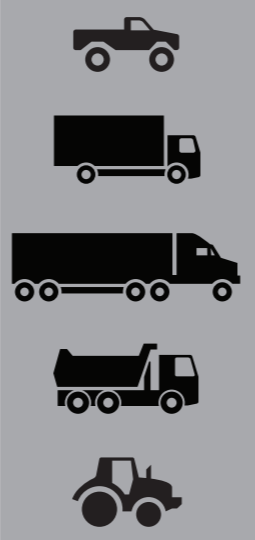
BOOSTER CABLES

A premium product, these double insulated cables feature an outer insulation manufactured from nitrile which is extremely flexible, durable and has a high resistance to heat. The inner insulation is made of V90HT PVC that can resist temperatures of up to 105°C. This type of cable is ideal for booster cables due to the high current carrying capacity, extreme heat resistance and flexibility that allows greater ease of use and storage.

PREMIUM NITRILE
BOOSTER CABLES

900-1000A
12/24V

APPLICATION GUIDE



KEY FEATURES

SURGE PROTECTION
Surge protector with L.E.D battery level indication



PREMIUM NITRILE CABLE
Double insulated heavy-duty cable offering unparalleled conductivity and insulation



STORAGE BAG
Convenient carry bag for storing cables



HEAVY-DUTY CLAMPS
Fully insulated clamps with brass teeth and bridging strap for improved connection



SPECIFICATIONS

PART NO.	AMP*	CABLE SIZE	CABLE LENGTH	APPLICATION	CLAMP
NB900-45SP	900	50mm ²	4.5m	Heavy commercial & industrial vehicles	Solid brass 1000A
NB900-60SP	900	50mm ²	6.0m	Heavy commercial & industrial vehicles	
NB1000-45SP	1000	70mm ²	4.5m	Construction & earth moving machinery	
NB1000-60SP	1000	70mm ²	6.0m	Construction & earth moving machinery	

*AMP rating is an industry reference only.



SERVICEMATE

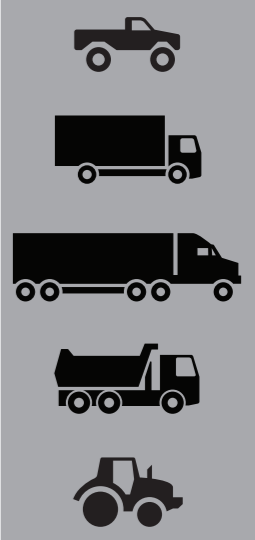
BOOSTER CABLES

A safer and faster way to jump start vehicles, ServiceMate booster cables provide the ideal jump starting solution. Suitable for roadside service vehicles, tow trucks, earth moving contractors, farmers and 4WDs that regularly jump start vehicles.

PREMIUM NITRILE
BOOSTER CABLES

750-900A
12/24V

APPLICATION GUIDE



KEY FEATURES

SURGE PROTECTION
Surge protector with L.E.D battery level indicator



PREMIUM NITRILE CABLE
Double insulated heavy-duty cable offering unparalleled conductivity and insulation



1.5M VEHICLE HARNESS
Provides direct connection to service vehicle battery



HEAVY-DUTY CLAMPS
Fully insulated clamps with brass teeth and bridging strap for improved connection



BATTERY CONNECTORS
Heavy-duty impact resistant 175A battery connectors



SPECIFICATIONS

PART NO.	AMP*	CABLE SIZE	CABLE LENGTH	APPLICATION	CLAMP
SM750-45SP	750	35mm ²	4.5m	Service vehicles	Solid brass 1000A
SM900-60SP	900	50mm ²	6.0m	Heavy-duty service vehicles	

*AMP rating is an industry reference only.

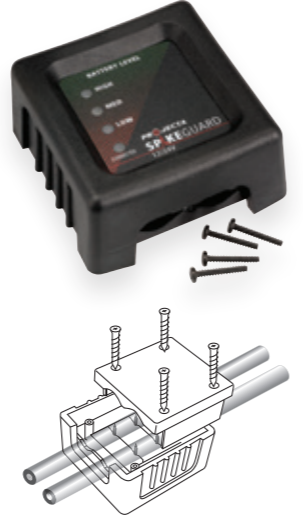
SURGE PROTECTORS

SG130 (Blister 1) 12/24V 'SPIKEGUARD' SURGE PROTECTOR

- Protects vehicle electronics against a voltage spike when jump starting
- Suits cable 10mm² (8 B&S) to 70mm² (00 B&S)
- Quick and easy to fit
- Rugged rubber housing
- Spike Guard activation voltage: 3V

KEY FEATURES

L.E.D. INDICATORS
L.E.D battery level indicator and reverse polarity indicator



SG330 12/24V 'SPIKEGUARD' SERVICEMATE

Allows all methods of electric welding to be done on a vehicle while the battery is still connected. Ideal for panel beaters, mechanics and workshops.



KEY FEATURES

SURGE PROTECTION
Surge protector with L.E.D battery level indicator and connection indicator



PREMIUM NITRILE CABLE
Double insulated heavy-duty cable offering unparalleled conductivity and insulation



FULLY INSULATED CLAMPS
Protects user from accidental short through clamps



BATTERY CLIPS

AC201 (Blister 6) ALLIGATOR CLIPS

- Nickel plated
- Solder or solderless connection
- Screw terminals
- Max jaw opening: 8mm
- Length: 50mm



TC202 (Blister 2) 25AMP TEST CLIPS

- Nickel plated
- Rated for 25 Amps at 12V
- Screw terminals
- Max jaw opening: 14mm
- Length: 71mm



TC202B As above - Bulk Pack of 100

TC25 (Blister 2) 50AMP TEST CLIPS

- Positive and negative
- Rated for 50 Amps at 12V
- Insulated handles



TC75 (Blister 2) 100AMP TEST CLIPS

- Positive and negative
- Rated for 100 Amps at 12V
- Insulated handles



TC75BB As above - Bulk Pack of 100 (Black)

TC75BR As above - Bulk Pack of 100 (Red)



BATTERY CLAMPS

BC300B BLACK BC300R RED 300AMP BATTERY CLAMPS

- Heavy-duty brass plated steel jaws and shunt
- Fully insulated rubber outer casing
- Copper bridging strap
- Includes cable lugs and fasteners to secure battery & nitrile cable



BC1000B BLACK BC1000R RED 1000AMP BATTERY CLAMPS

- Solid brass
- Fully insulated rubber outer casing
- Copper bridging strap
- Includes cable lugs to secure both conductor and sheath for 10–30mm² and 30–70mm² battery and nitrile cable



SO INTELLI-SMART THEY CAN RECHARGE THEMSELVES.

The Intelli-Start jump starter range provides high performance jump starting in an ultra compact, lightweight package with Rapid Recharge Technology (RRT). Compared to other lithium jump starters, the lithium battery technology powering this range allows for a much longer storage life without requiring recharge, offers faster charging and high output from smaller jump starters, plus 4 times the battery life cycles. The Intelli-Start range includes 'Emergency' jump starters for the everyday user, a 'Professional' range for those in the trade and 'Industrial' models to meet the extreme demands of commercial environments. Refer to pages 92-106 to find out more.

PROFESSIONAL RANGE

Ideal for workshops, car dealerships and roadside assistance vehicles.



INDUSTRIAL RANGE

Suitable for commercial transport, construction, agriculture, mining and industrial machinery.

EMERGENCY RANGE

Perfect for passenger cars, 4WDs, recreational vehicles and personal leisure craft.

FEATURES & BENEFITS

RAPID RECHARGE TECHNOLOGY (RRT)



Always ready for the next emergency, RRT will replenish the power used in as little as 40 seconds when left connected to the started vehicle.

ALL-IN-ONE PROTECTION & EASY TO USE



Engineered for ease of use and complete protection for both users and vehicles against shorts, surges and accidental incorrect use.

UNPARALLELED SAFETY & SUPERIOR PERFORMANCE



Purpose built for jump starting, LiFePO₄ batteries are safer and last up to 4 times longer than Lithium Cobalt (LiCoO₂) batteries.

COMPACT, RELIABLE & RUGGED



Designed and tested in Australia, Intelli-Start are weatherproof, compact, lightweight & rugged ensuring ease of portability and storage.

WHAT IS RAPID RECHARGE TECHNOLOGY?

40 seconds is all it takes to recharge the power you used to jump start!

Projecta's revolutionary and patented Rapid Recharge Technology (RRT) means that once a vehicle has been jump started, the user can simply leave the Intelli-Start unit connected to the vehicle's battery for an additional 40 seconds and it will fully replenish the energy discharged and be ready for the next emergency.



SCAN THE QR TO SEE HOW IT WORKS





BATTERY TERMINALS & ACCESSORIES

TERMINALS 276

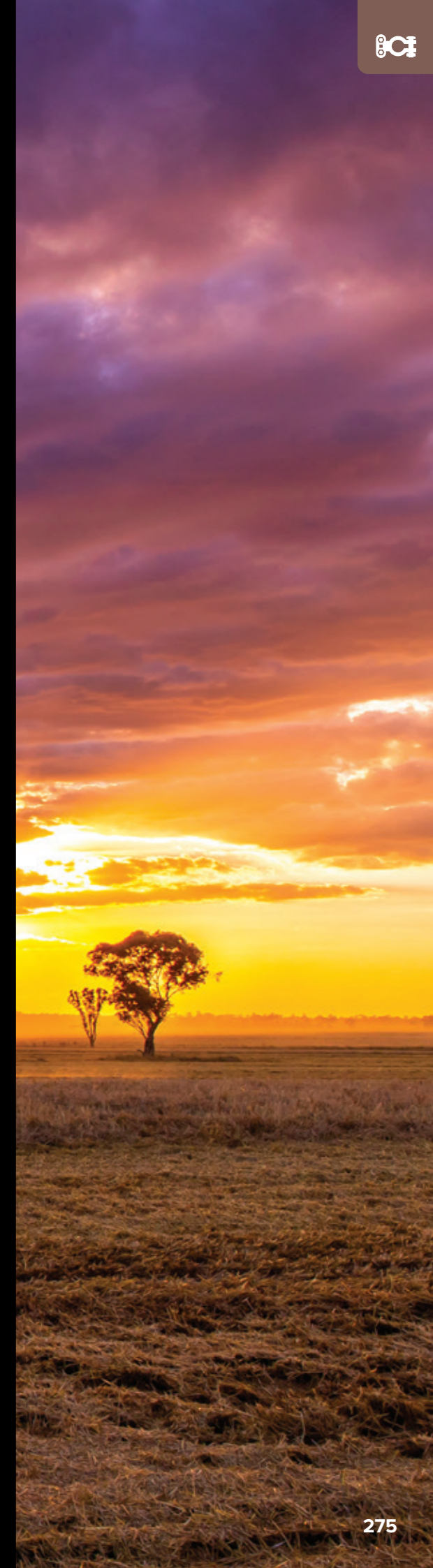
A comprehensive range of high quality terminals, available in lead through to premium satin forged brass

DISTRIBUTION TERMINALS 283

3 way distribution terminals providing a safe and professional connection

BATTERY STARTER CABLES 285

An extensive range of starter cables to suit a host of applications, manufactured using the highest quality materials



TERMINALS

ISOLATING MASTER TERMINAL

Simple and easy to install, the existing negative battery terminal fastens to the rear of the master terminal. No new termination is required. Turn the dial to break the connection and disable the battery.



FIG. 1

PART NO.	PACK TYPE	POST TYPE	FIG. NO
BT001	Blister (1)	Negative	1

LEAD TERMINALS

Manufactured with a lead alloy composed of antimony that ensures the terminal will have the tensile strength and hardness to meet heavy electrical demand. Lead terminals are available in both saddle and wingnut style. Lead is known for being soft and malleable, making it suitable for universal fitment.



FIG. 2



FIG. 3

PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE	FIG. NO
BT002	Blister (2)	Saddle	Universal	8 – 50mm ² (8 – 0 B&S)	–	2
BT003	Blister (2)	Wingnut		–	5/16" (8mm)	3

LEAD SHIMS

Available in both positive and negative, these lead shims convert small Japanese battery posts to suit large post terminals. Lead is a naturally soft and malleable compound which makes it fit and mould perfectly to the post for a secure fit.



FIG. 4

PART NO.	PACK TYPE	POST TYPE	FIG. NO
BTS-2	Blister (2)	Positive & Negative	4

SOLDER/CRIMP BATTERY TERMINALS

Electroplated with a nickel coating these solid brass terminals feature a split barrel for easy cable fitment.



FIG. 5



FIG. 6

PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	FIG. NO
BT21-1	Blister (1)	Split Barrel	Universal	50 – 70mm ² (0 – 00 B&S)	5
BT21-10	Box (10)				
BT23-1	Blister (1)	Split Barrel	Universal	25 – 35mm ² (3 – 2 B&S)	6
BT23-10	Box (10)				

BRASS BATTERY TERMINALS

Brass terminals are meticulously cast to deliver a quality finish and consistent fit. The greatest advantage of the solid brass range is the wide variety on offer: saddle, wingnut, stud, end entry and crimp terminals.



PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE
BT11-1	Blister (1)	Saddle	Universal	8 – 50mm ² (8 – 0 B&S)	–
BT11-2	Blister (2)				
BT11-10	Box (10)	Heavy-Duty Saddle	Universal	50 – 95mm ² (0 – 000 B&S)	–
BT11H-1	Blister (1)				
BT11H-10	Box (10)	Suits Small Japanese Battery Posts	Positive	8 – 35mm ² (8 – 2 B&S)	–
BT36-P1	Blister (1)		Negative		
BT36-N1	Blister (1)		Pos x 1 Neg x 1		
BT36-2	Blister (2)	Suits Small Japanese Battery Posts	Pos x 5 Neg x 5	8 – 35mm ² (8 – 2 B&S)	–
BT36-10	Box (10)		Pos x 5 Neg x 5		
BT10-P1	Blister (1)	Stud	Positive	–	5/16" (8mm)
BT10-P10	Box (10)		Negative		
BT10-N1	Blister (1)	Stud	Positive	–	5/16" (8mm)
BT10-N10	Box (10)		Negative		



BRASS BATTERY TERMINALS

PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE			
BT14-P1	Blister (1)	Wingnut	Positive	-	5/16" (8mm)			
BT14-P10	Box (10)							
BT14-N1	Blister (1)		Negative					
BT14-N10	Box (10)							
BT14-2	Blister (2)		Pos x 1 Neg x 1					
BT14-10	Box (10)		Pos x 5 Neg x 5					
BT14H-P1	Blister (1)		Heavy-Duty Wingnut			Positive	-	3/8" (10mm)
BT14H-P10	Box (10)							
BT14H-N1	Blister (1)					Negative		
BT14H-N10	Box (10)							
BT32-1	Blister (1)	End Entry	Universal	15 – 50mm ² (6 – 0 B&S)	-			
BT32-10	Box (10)							



BRASS BATTERY TERMINALS

PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE	
BT59S-1	Blister (1)	Crimp End Entry	Universal	25mm ² (3 B&S)	-	
BT59S-10	Box (10)					
BT59-1	Blister (1)					
BT59-10	Box (10)					
BT59H-1	Blister (1)	Heavy-Duty Crimp End Entry		50 – 70mm ² (0 – 00 B&S)		
BT59H-10	Box (10)					
BT142-P1	Blister (1)	Bolt	Positive	-	5/16" (8mm)	
BT142-P10	Box (10)					
BT142-N1	Blister (1)		Negative			
BT142-N10	Box (10)					
BT142H-P1	Blister (1)	Heavy-Duty Bolt	Positive	-	3/8" (10mm)	
BT142H-P10	Box (10)					
BT142H-N1	Blister (1)		Negative			
BT142H-N10	Box (10)					



PREMIUM BATTERY TERMINALS

FORGED BRASS

Forged from a solid brass bar, these terminals deliver up to 40% better electrical conductivity than lead or standard brass terminals. They feature 304 grade stainless steel hardware for longer life and better performance. Each terminal uses a unique spiral thread to bite into the battery post, ensuring a solid connection. The BT620 series features two additional cable connections for easy and reliable wiring of accessories such as amplifiers, driving lights, etc.



PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE
BT611-P1	Blister (1)	Saddle	Positive	20 – 35mm ² (4 – 2 B&S)	-
BT611-P10	Bag (10)				
BT611-N1	Blister (1)		Negative		
BT611-N10	Bag (10)				
BT614-P1	Blister (1)	Wingnut	Positive	-	5/16" (8mm)
BT614-P10	Bag (10)				
BT614-N1	Blister (1)		Negative		
BT614-N10	Bag (10)				
BT614H-P1	Blister (1)	Heavy-Duty Wingnut	Positive	-	3/8" (10mm)
BT614H-P10	Bag (10)				
BT614H-N1	Blister (1)		Negative		
BT614H-N10	Bag (10)				



PREMIUM BATTERY TERMINALS

FORGED BRASS

PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE	STUD SIZE
BT642-P1	Blister (1)	Bolt	Positive	-	5/16" (8mm)
BT642-P10	Bag (10)				
BT642-N1	Blister (1)		Negative		
BT642-N10	Bag (10)				
BT642H-P1	Blister (1)	Heavy-Duty Bolt	Positive	-	3/8" (10mm)
BT642H-P10	Bag (10)				
BT642H-N1	Blister (1)		Negative		
BT642H-N10	Bag (10)				
BT620-P1	Blister (1)	Saddle with Dual Auxiliary	Positive	20 – 35mm ² (4 – 2 B&S)	-
BT620-P10	Bag (10)			Auxiliary 5 – 15mm ² (10 – 6 B&S)	
BT620-N1	Blister (1)		Negative		
BT620-N10	Bag (10)				
BT620H-P1	Blister (1)	Heavy-Duty Saddle with Dual Auxiliary	Positive	50 – 70mm ² (0 – 00 B&S)	-
BT620H-P10	Bag (10)			Auxiliary 5 – 15mm ² (10 – 6 B&S)	
BT620H-N1	Blister (1)		Negative		
BT620H-N10	Bag (10)				



PREMIUM BATTERY TERMINALS

SATIN FORGED BRASS

Satin forged brass terminals are Projecta's premium range of battery terminals. The terminals are forged brass and are polished smooth and then electroplated with a high grade satin nickel and supplied with stainless steel hardware. This gives the terminals a high performance look and improves their resistance to corrosion. The BT820 series features two additional cable connections for easy and reliable wiring of accessories such as amplifiers, driving lights, etc.



BT950-P1 | DISTRIBUTION TERMINALS

FUSED BATTERY DISTRIBUTION TERMINAL

Converts a positive battery post into three connections with fuse protection. Perfect for 4WDs and caravans where multiple accessories or dual battery systems are in use.



PART NO.	PACK TYPE	TERMINAL TYPE	POST TYPE	SUITS CABLE SIZE
BT811-P1	Blister (1)	Saddle	Positive	20 – 35mm ² (4 – 2 B&S)
BT811-N1	Blister (1)		Negative	
BT811H-P1	Blister (1)	Heavy-Duty Saddle	Positive	50 – 70mm ² (0 – 00 B&S)
BT811H-N1	Blister (1)		Negative	
BT820-P1	Blister (1)	Saddle with Dual Auxiliary	Positive	20 – 35mm ² (4 – 2 B&S) Auxiliary 5 – 15mm ² (10 – 6 B&S)
BT820-N1	Blister (1)		Negative	
BT820H-P1	Blister (1)	Heavy-Duty Saddle with Dual Auxiliary	Positive	50 – 70mm ² (0 – 00 B&S) Auxiliary 5 – 15mm ² (10 – 6 B&S)
BT820H-N1	Blister (1)		Negative	



KEY FEATURES

3 WAY DISTRIBUTION
Makes a professional and practical installation for distributing power



FUSED POWER
Provides 3 fused connections making it safe and easy to install auxiliary cable



FULLY INSULATED CAP
Prevents accidental short circuits

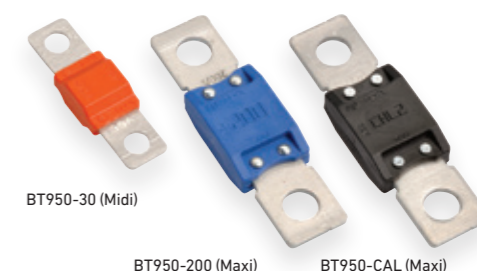


CAL 2 FUSE
Allows load of starter motor or winch, protects against direct short, pre-installed with 1 x 150A CAL2 fuse (P/No. BT950-CAL) and 2 x 30A fuses (P/No BT950-30)



FUSE OPTIONS TO SUIT BT950-P1	
BT950-30	30A fuse (Orange Midi)
BT950-60	60A fuse (Yellow Midi)
BT950-100	100A fuse (Yellow Maxi)
BT950-150	150A fuse (Orange Maxi)
BT950-200	200A fuse (Blue Maxi)
BT950-250	250A fuse (Pink Maxi)
BT950-CAL	150A continuous/800A max CAL2 fuse (Black Maxi)

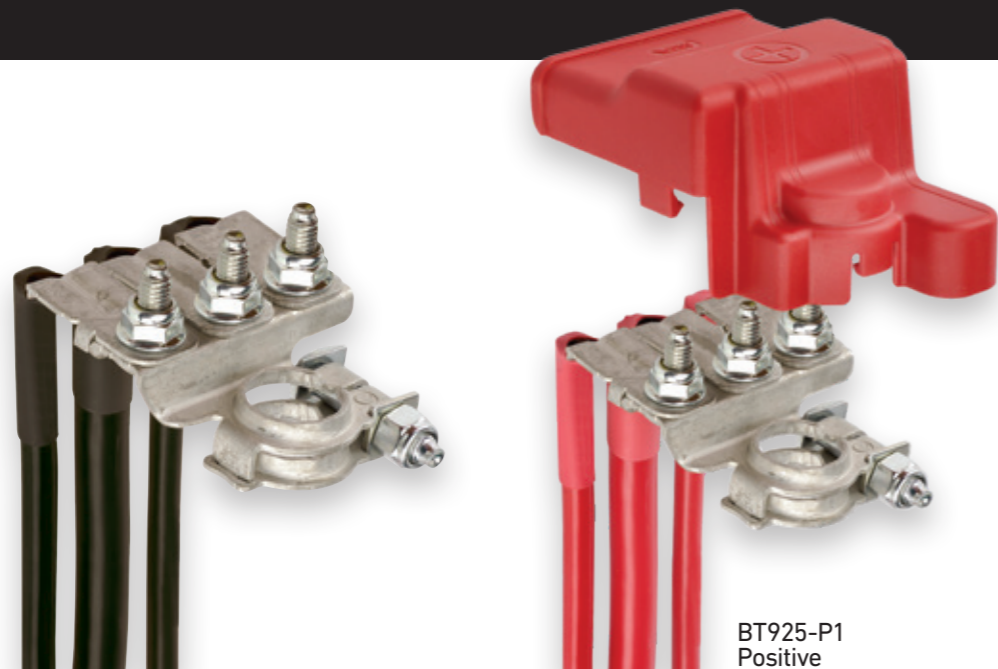
BT950-P1 Includes:
1 x Fused Distribution Block
1 x 150A CAL2 fuse (BT950-CAL)
2 x 30A CAL2 fuse (BT950-30)



BT925-P1 & BT925-N1 | DISTRIBUTION TERMINALS

BATTERY DISTRIBUTION TERMINAL

Three way distribution: Quickly converts a battery post so it can easily connect 3 cables to the battery. Ideal for use when installing auxiliary accessories or connecting to a secondary battery. Includes 3 terminals to ensure quick connection. Makes a professional and practical installation for distributing power.



BT925-N1
Negative

BT925-P1
Positive

KEY FEATURES

FULLY INSULATED CAP
Prevents accidental short circuits (positive terminal only)



ECONOMICAL
Offers a professional finish and converts battery post to a convenient 3 way distribution point



SPECIFICATIONS

3 x M6 terminal suits 8–20mm² (8 – 4 B&S) cable

REPLACEMENT TERMINALS TO SUIT BT925

BT925-T1

M6 8–20mm² (8 – 4 B&S) Terminal to suit 925 series distribution terminal



*Cable and heatshrink not included

BATTERY JOINER CABLES

2 B&S (35mm ²) Suits 4WDs and light commercial vehicles		00 B&S (64mm ²) Suits trucks, tractors and earth moving equipment	
PART NO.	PART NO.	LENGTH	DESCRIPTION
-	BCJ0-15	150mm	<ul style="list-style-type: none"> Nickel plated brass terminal Annealed copper cable with PVC insulation Terminal ends soldered for maximum conductivity and to ensure a solid permanent connection
BCJ2-20	BCJ0-20	200mm	
BCJ2-23	-	230mm	
BCJ2-25	BCJ0-25	250mm	
BCJ2-30	BCJ0-30	300mm	
-	BCJ0-38	380mm	
-	BCJ0-46	460mm	



BATTERY STARTER CABLES

3 B&S (25mm ²) Suits small, medium and large cars		2 B&S (35mm ²) Suits 4WDs and light commercial vehicles		00 B&S (64mm ²) Suits trucks, tractors and earth moving equipment	
PART NO.	PART NO.	PART NO.	LENGTH	DESCRIPTION	
-	BC2-25	-	250mm	<ul style="list-style-type: none"> Universal brass battery terminal Tin-plated copper lug to suit 10mm (3/8") stud Annealed copper cable with PVC insulation Durable polyolefin heat shrink for lasting protection Mechanically crimped to ensure a solid permanent connection 	
BC3-30	BC2-30 BC2-30BL (Blister)	BC0-30	300mm		
BC3-38	BC2-38	BC0-38	380mm		
BC3-46	BC2-46 BC2-46BL (Blister)	BC0-46	460mm		
-	BC2-53	-	530mm		
BC3-61	BC2-61 BC2-61BL (Blister)	BC0-61	610mm		
-	BC2-69	-	690mm		
BC3-76	BC2-76 BC2-76BL (Blister)	-	760mm		
-	BC2-91	BC0-91	910mm		
BC3-106	BC2-106	BC0-106	1060mm		
-	BC2-122	-	1220mm		








SWITCH STARTER CABLES

2 B&S (35mm ²) 4WDs and light commercial vehicles		00 B&S (64mm ²) Suits trucks, tractors and earth moving equipment	
PART NO.	PART NO.	LENGTH	DESCRIPTION
BCS2-25	-	250mm	<ul style="list-style-type: none"> Tin-plated copper lugs to suit 10mm (3/8") studs Annealed copper cable with PVC insulation Durable polyolefin heat shrink for lasting protection Terminal ends mechanically crimped to ensure a solid permanent connection
BCS2-30 BCS2-30BL (Blister)	BCS0-30	300mm	
BCS2-38	BCS0-38	380mm	
BCS2-46 BCS2-46BL (Blister)	BCS0-46	460mm	
BCS2-53	-	530mm	
BCS2-61 BCS2-61BL (Blister)	BCS0-61	610mm	
BCS2-76 BCS2-76BL (Blister)	BCS0-76	760mm	
BCS2-91	-	910mm	
BCS2-100	-	1000mm	
BCS2-106	BCS0-106	1060mm	



CABLE LUGS

Manufactured using electro plated tinned copper to deliver superior conductivity, Projecta cable lugs feature a long shank for a more secure double crimp, and flared ends for easy cable insertion.

BULK PART NO. PACK (50)	BLISTERED PART NO. BLISTER (2)	STUD SIZE	SUITS CABLE SIZE	INTERNAL DIAMETER	
CL21-50	CL21-2	8mm	10mm ² 8 B&S	4.5mm	
CL25-50	CL25-2	8mm	15mm ² 6 B&S	5.4mm	
CL29-50	CL29-2	8mm	25mm ² 3 B&S	6.8mm	
CL30-50	-	10mm			
CL33-50	CL33-2	8mm	35mm ² 2 B&S	8.2mm	
CL34-50	CL34-2	10mm			
CL37-50	CL37-2	8mm	50mm ² 0 B&S	9.5mm	
CL38-50	CL38-2	10mm			
CL41-50	CL41-2	10mm			

TERMINAL & LUG COVERS

Made in Italy, the Projecta range of terminal and lug covers are manufactured from the highest quality rubber and PVC materials ensuring durability and longevity. Their main function is to protect live power connections from accidental shorts, acting as an added safety measure when a battery system may come into contact with conductive materials.

CLC100 (Blister-2)

RUBBER CABLE LUG COVERS

- Positive and negative
- Insulates battery lug preventing short circuit
- Suits most common sized cable lugs



CLC100B-10 As above - Bulk pack of 10 (Black)

CLC100R-10 As above - Bulk pack of 10 (Red)

BTC200 (Blister-2)

STRAIGHT PVC TERMINAL COVERS

- Positive and negative
- Insulates battery terminal preventing short circuit
- Suits: BT11, BT32, BT36, BT59, BT59S, BT142, BT611, BT642, BT642H, BT811



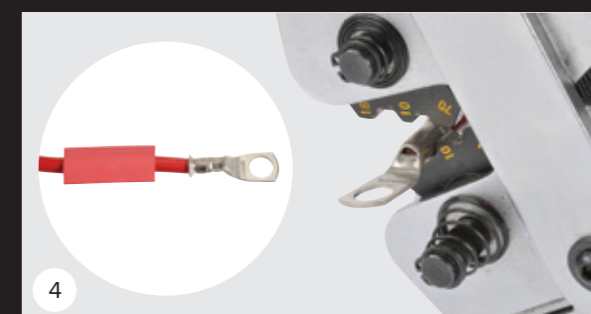
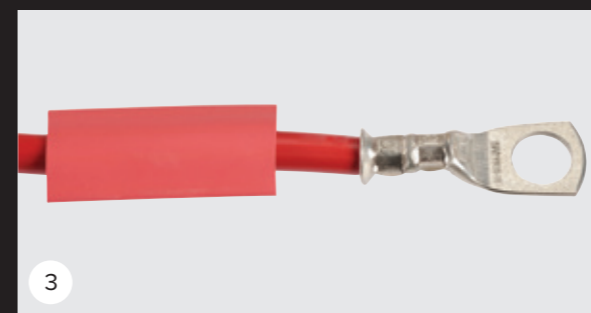
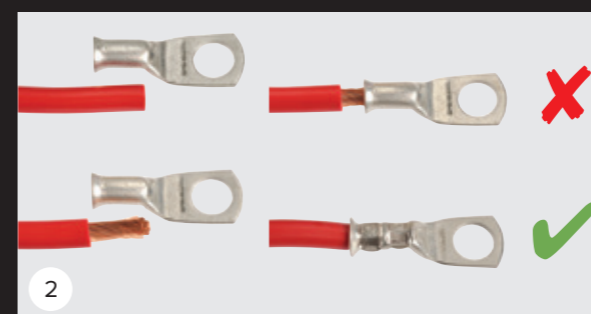
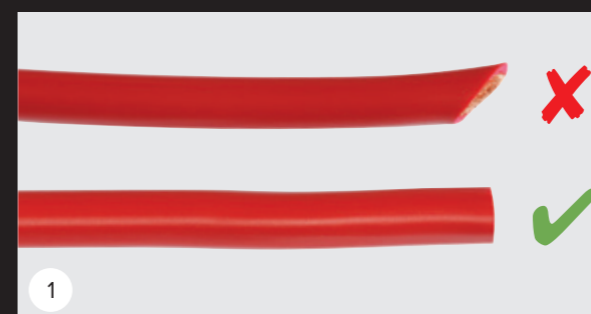
BTC200B-10 As above - Bulk pack of 10 (Black)

BTC200R-10 As above - Bulk pack of 10 (Red)

TIPS & TRICKS

HOW TO CRIMP LUGS/TERMINALS

1. Determine the lug required for the application. Measure the post diameter and pick a lug that has an internal diameter to suit.
2. Once the correct cable and lug have been selected, cut the end of the cable flush (see image 1).
3. Strip the cable to the correct length, measuring the internal length of the terminal ensures accurate length to strip. If the cable is stripped too short, the terminal won't have a sufficient length of wire to crimp and could cause the cable to dislodge. If the cable is stripped too long, the cable will be exposed past the terminal barrel which can cause electrical hazard or injury (see image 2). When stripping the cable, ensure that excessive strands are NOT removed when removing the insulating layer. This will decrease the diameter of the cable, reducing its ability to carry current reliably.
4. Place the stripped end of the cable into the barrel of the terminal. Ensure all strands of the cable are inserted into the terminal barrel. It is recommended to insert a heat shrink insulator onto the cable before crimping the terminal or cable, this will provide further protection from environmental conditions such as corrosion (see image 3).
5. Once the cable is ready for crimping to a lug or terminal, insert the lug or terminal into the crimping tool with the correct die selected (see image 4).
6. When crimping a terminal or lug, ensure a full crimp at the base of the terminal. It is recommended to perform a second crimp 3-4mm above the base crimp, this will ensure a more secure crimp across the barrel.
7. If heat shrink has been applied before crimping, slide the heat shrink onto the barrel of the terminal and apply heat to the heat shrink to insulate the crimp (see image 5).
8. Once the lug or terminal has been crimped, it is recommended to test the crimp by tugging on the lug or terminal whilst holding the cable - if the cable doesn't dislodge from the crimp, the crimp has been performed successfully.



TOOLS REQUIRED (NARVA)

1. Cable lug crimping tool (56516 or 56518)



2. Cable cutting tool (56515)



3. Heat gun (56392BL)





BATTERY MAINTENANCE

LOAD TESTERS 291

A range of load testers to check the performance and health of primary and auxiliary batteries

DIGITAL BATTERY ANALYSERS 294

An extensive range of high quality battery analysers, from a basic display model to a sophisticated LCD display with built in printer

DIGITAL MULTIMETERS 297

An array of new digital multimeters to measure a variety of electronics





CARBON PILE LOAD TESTER VS DIGITAL BATTERY ANALYSER



BLT300 CARBON PILE LOAD TESTER



BLT700 DIGITAL BATTERY ANALYSER

Carbon Pile Load Tester: This type of tester generally includes two analogue meters, one to show the test voltage and another to show the load test amperage. A carbon pile load tester has carbon plates inside that act as a fixed or adjustable resistor. They provide an insight into the batteries behaviour while starting and help diagnose intermittent faults with batteries. When the test is performed, a load is applied to the battery for around 15 seconds, at the end of the 15 seconds the amount of load amperage applied to the battery should be half of the CCA rating of the battery.



Digital Battery Analyser: Digital Battery Analysers quickly test a wide array of data, all of which is shown on the digital display. For Projecta's Battery Analysers this includes CCA, battery voltage, percentage of battery health and general battery condition. On some devices this data can also be printed out; this can come in handy when dealing with a customer at a shop level.

COMPARISON

Time and Weight – Digital battery analysers usually perform tests quicker, are a lot lighter and more portable than a carbon pile load tester. Analysers are handheld devices that make the whole process more convenient and faster than using their carbon pile load tester counterpart.

Discharged Battery – Digital battery analysers can perform tests on discharged batteries, whereas carbon pile load testers generally requires a battery that is at least 85% charged to perform a test. However, the lower the static voltage the more likely the analyser will suggest to 'recharge and retest' the battery.

Consistency – Carbon pile load testers provide more consistent test results time and time again and are generally used by manufacturers for warranty purposes, whereas digital battery analysers can vary in accuracy based on which type of battery is being tested.

Battery Behaviour – Carbon pile load testers provide a great insight into how the battery will behave while starting. Digital analysers cannot do this as a part of their testing.

BLT100 | LOAD TESTERS

LOAD TESTER

A compact and portable load tester capable of testing batteries both in and out of the vehicle via a quick 10 second test.

6/12
VOLT
0-100 AMP



KEY FEATURES

LOAD METER
Large and easy to read screen detailing test results

LOAD CONTROL
Easy momentary toggle switch applies load to battery

MULTI-TEST
Tests battery condition, charging system and starter motor



SPECIFICATIONS

PART NO.	BLT100
BATTERY LOAD TEST	6 & 12V lead acid batteries
TEST LOAD	100 Amp @ 12V, 50 Amp @ 6V
MAXIMUM LOAD 'ON' TIME	10 seconds
RECOMMENDED COOL DOWN TIME	2 minutes
CAPACITY RANGE	200-1000CCA
VOLTAGE MEASURED	0-16V
SIZE	285mm x 110mm x 70mm
WEIGHT	1.7Kg



BLT200 | LOAD TESTERS

CARBON PILE LOAD TESTER

A handy, portable load tester capable of performing variable tests on 12V batteries rated as high as 1000CCA.

12 VOLT
0-500 AMP

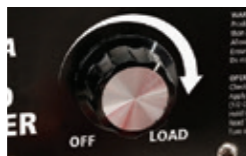


KEY FEATURES

DUAL METERS
Large and easy to read screens detail test results simultaneously

LOAD CONTROL
Manual load dial gives user total control

MULTI-TEST
Tests battery condition and charging system



SPECIFICATIONS

PART NO.	BLT200
TESTS	Volts (0-16VDC), 12V lead acid batteries, 12V charging systems (alternators & regulators)
BATTERY RANGE	Up to 1000CCA (160Ah)
TEST LOAD	Adjustable carbon pile 0-500 Amps
MAX LOAD ON TIME	20 seconds
RECOMMENDED COOL DOWN TIME	2 minutes
TEST TIME ALERT	Buzzer sounds after 15 seconds
CABLE LENGTH	1000mm
SIZE	267mm x 230mm x 92mm
WEIGHT	3.5kg

BLT300 | LOAD TESTERS

CARBON PILE LOAD TESTER

An incredibly durable, quality constructed load tester. Capable of performing variable tests on 6, 12 or 24V batteries rated as high as 2000CCA.

6/12/24 VOLT
0-1000 AMP



KEY FEATURES

DUAL METERS
Large and easy to read screens detail test results simultaneously

HEAVY-DUTY CLAMPS
Solid die cast brass battery clamps for excellent conductivity

BATTERY TEST
Adjustable 0-1000A load provides correct tests for 6/12/24V batteries up to 2000CCA or 320Ah

VOLTAGE SELECTION
Suitable for use with 6, 12 and 24 Volt batteries via simple turn dial



SPECIFICATIONS

PART NO.	BLT300
TESTS	Volts (0-30VDC) 6/12/24V lead acid batteries
BATTERY RANGE	Up to 2000CCA (320Ah)
TEST LOAD	Adjustable carbon pile 0-1000 Amps
MAX LOAD ON TIME	20 seconds
RECOMMENDED COOL DOWN TIME	2 minutes
TEST TIME ALERT	Buzzer sounds after 15 seconds
CABLE LENGTH	1400mm
SIZE	350mm x 355mm x 175mm
WEIGHT	8.4kg



BLT500 | BATTERY TESTERS

DIGITAL BATTERY ANALYSER

Provides a simple, fast and accurate test of battery condition and capacity.

12 VOLT
100 - 1700 CCA



KEY FEATURES

L.E.D DIGITAL DISPLAY
Bright, easy to read display screen details: CCA, battery voltage, percentage of battery health and general battery condition



SAFE BATTERY CONNECTION
Rubber moulded battery clamps offer safe spark free connection



TEST RESULT INDICATORS
Quick and easy 'at a glance' battery status L.E.Ds



IN VEHICLE TESTING
Safe to use with batteries fitted in or out of a vehicle



SPECIFICATIONS

PART NO.	BLT500
CCA RANGE	100-1700CCA
SCALES	DIN, EN, IEC, CCA
DISPLAYS	Single Line 6 character LED
APPROVALS	EMC

BLT700 | BATTERY TESTERS

DIGITAL BATTERY ANALYSER

Provides comprehensive testing and analysis of battery and electrical systems, with an easy-to-use graphic interface and built-in printer for test results.

12/24 VOLT
40 - 2000 CCA



KEY FEATURES

LCD DISPLAY
Bright, easy to read display screen details: CCA, battery voltage, percentage of battery health and general battery condition



REPORT PRINTING
Status printing via PC (USB) built-in printer. Date and time on print-out



MULTI-FUNCTION TESTING
Accurately tests battery, alternator, starter, earth and diode ripple



COMPREHENSIVE KIT
Supplied with software, USB cable, battery data charts and printer paper



CARRY CASE
Robust blow moulded case stores unit and accessories



SPECIFICATIONS

PART NO.	BLT700
CCA RANGE	40-2000CCA
SCALES	CCA, SAE, DIN, JIS, IEC, EN, CA
DISPLAYS	Backlit LCD screen
APPROVALS	EMC
TYPES OF TESTS	Battery Alternator Diode ripple Starter Earth
STORES IN MEMORY	80 test results
TESTS	Wet, AGM, Calcium and EFB batteries

ACCESSORIES:
BLT700PR Replacement printer rolls





DT150 | DIGITAL MULTIMETERS

TRUE RMS MULTIMETER

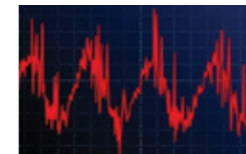
A high quality multimeter allowing quick and simple true RMS current measurement for a more accurate reading.

0-10 AMP
0-600 VOLT



KEY FEATURES

TRUE RMS
Provides a more accurate measure of AC signals that are imperfect waveforms



MULTI-TEST
Test everything from voltage and frequency, resistance and continuity along with the ability to test diodes and temperature



LCD DISPLAY
Digital LCD display ensures clear, precise data



DURABLE MOULDED HOUSING
Provides extra protection in the event the multimeter falls



NON-CONTACT VOLTAGE DETECTOR
Safely measure AC live voltage without even touching the circuit



SPECIFICATIONS

PART NO.	DT150
RANGE	Auto scale 4000 counts
VOLTAGE	DCV: 600V ACV: 600V
CURRENT	DCA: 10A ACA: 10A
RESISTANCE	0-40 MOhms
CAPACITANCE	Max 4mF
DIODE TEST	Screen display forward voltage drop
CONTINUITY TEST	Yes
FREQUENCY	0-10 MHz
TEMPERATURE	-20°C to 760°C
SIZE	151mm x 75mm x 45mm
WEIGHT	255g

12/24
VOLT

DT50 | DIGITAL MULTIMETERS

12/24V POWER PROBE

Used to test the automotive electrical system within 12 to 24 volts. Provide battery power to 12V or 24V circuits to test polarity and continuity safely.



KEY FEATURES

EASY TESTING
Designed to test the automotive electrical system without re-connection between the vehicle battery and testing components



LCD DISPLAY
Digital LCD display ensures clear, precise data



POLARITY & CONTINUITY CHECK
Determine polarity on positive and negative switched vehicles. Quickly test to see if the circuit is open or closed



LED TORCH LIGHT
Illuminate test area safely



SPECIFICATIONS

PART NO.	DT50
VOLTAGE	12 - 24V
CONTINUITY TEST	Yes
SIZE	240mm x 78mm x 40mm
WEIGHT	200g



DT200 | DIGITAL MULTIMETERS

AUTOMOTIVE DIGITAL MULTIMETER

Can be used for all automotive testing and features an inductive pick up and Infrared (IR) temperature sensor. Check vehicle RPM and dwell angles safely with inbuilt overload protections.

0-400 AMP
0-400 VOLT

NEW



KEY FEATURES

INDUCTIVE PICK UP & IR TEMPERATURE SENSORS
Measure RPM and temperature within seconds



MULTI-FUNCTION
14 functions including RPM (Tach), Dwell angle, Duty cycle, Frequency and Temperature (IR Temperature)



LCD DISPLAY
Digital LCD display ensures clear, precise data



SAFE DESIGN
Designed with safety in mind this multimeter is rated to CATIII 1000V and CATIV 600V



CARRY CASE
Robust blow moulded case stores unit and accessories



SPECIFICATIONS

PART NO.	DT200
RANGE	Auto scale 4000 counts
VOLTAGE	DCV: 400V ACV: 400V
CURRENT	DCA: 400A ACA: 400A
RESISTANCE	0-40 MOhms
CAPACITANCE	40nF - 40mF
RPM (Tach)	600-12000 RPM
DWELL ANGLE	4, 5, 6, 8 CYL
DIODE TEST	Screen display forward voltage drop
FREQUENCY	0-9.99 MHz
DUTY CYCLE	0.1-99.9%
TEMPERATURE	-20°C - 760°C
IR TEMPERATURE	-20°C - 550°C
SIZE	182mm x 82mm x 55mm
WEIGHT	360g

REPLACEMENT PARTS: **DT200L** Test leads to suit DT200
DT200T Temperature probe to suit DT200

DT1000 | DIGITAL MULTIMETERS

CLAMP METER

A high current rated clamp meter allowing quick and simple current measurement without having to interfere with the test circuit.

0-1000 AMP
0-600 VOLT

NEW



KEY FEATURES

CURRENT MEASUREMENT
Test AC/DC current up to 1000 Amps without interfering with test circuit. Test wire up to 30mm in diameter



MULTI-TEST
Test everything from voltage and frequency, resistance and continuity along with the ability to test diodes and temperature



DATA HOLD FUNCTION
Freeze on screen data so you don't lose the recording



SPECIFICATIONS

PART NO.	DT1000
RANGE	Auto scale 4000 counts
POLARITY	Auto indication 4000 counts
VOLTAGE	DCV: 600V ACV: 600V
CURRENT	DCA: 1000A ACA: 1000A
MAXIMUM CONDUCTOR SIZE	Cable 30mm diameter
RESISTANCE	0-40 MOhms
CAPACITANCE	0-100µF
CONTINUITY TEST	Yes
DIODE TEST	Screen display forward voltage drop
FREQUENCY	0-100kHz
DUTY CYCLE	1-99.9%
TEMPERATURE	0-1000°C
SIZE	229mm x 80mm x 49mm
WEIGHT	303g

REPLACEMENT PARTS: **DT1000L** Test leads to suit DT1000
DT1000T Temperature probe to suit DT1000

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WARRANTY

AUSTRALIAN WARRANTY

Brown & Watson International Pty Ltd (BWI) of 1500 Ferntree Gully Road, Knoxfield, Victoria, telephone (03) 9730 6000, email info@projecta.com.au, warrants all products from the date of purchase by the end-user for a period of one (1) year and covers defects in materials and/or workmanship only from the date of the original purchase by the consumer as marked on the invoice.

BWI also offers extended warranty periods on selected products as indicated on product packaging.

CONDITIONS OF WARRANTY

This warranty does not cover normal wear and tear or apply to a product that:

- has been subject to misuse, alterations, neglect, negligence, damage or accident
- has been improperly maintained, operated or installed
- has not been installed in accordance with the installation instructions in effect at the time of installation or as recommended to be installed by suitably qualified personnel
- has not been installed in accordance with the vehicle, engine or equipment manufacturers' recommendations
- has had insufficient or excessive electrical supply or subject to undue environmental conditions
- has been fitted to any vehicle that has been changed or modified from original specification in a way that could impact on the performance of the BWI warranted product

BWI warranty does not cover replacement of any product consumable items (i.e. bulbs or lenses).

HOW TO MAKE A CLAIM

To make a warranty claim:

- If the product is suspected of being defective, the consumer must stop using it and contact the original place of purchase.
- The product must be returned (at the consumer's expense) to the original place of purchase or any other place nominated by the retailer or BWI for a warranty assessment to be performed.
- The original proof of purchase together with an explanation in writing as to the nature of the claim must accompany the returned product to assist with the warranty assessment.
- The consumer shall promptly provide further information that may be requested with respect to the claim.
- The customer will be notified of the warranty decision in writing and if found to be invalid the customer must organise collection of the product at their expense or authorise its disposal.

Free Call our Technical Support team for any Technical and Warranty related enquires on: 1800 422 422 (Australia)

CLAIM DECISION

If the claim is found to be valid and is for a minor failure of the product then BWI reserves the right to repair or replace the product at its discretion.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

NEW ZEALAND WARRANTY

Griffiths Equipment Ltd warrants that all products sold (will be under normal use and service free of defects in material and workmanship for a period of one (1) year from the date of original purchase by the customer as marked on the invoice.

Griffiths Equipment Ltd also offers extended warranty periods on selected products as indicated on product packaging.

The warranty does not cover the exclusions listed above under 'Conditions of Warranty'.

Where the customer is acquiring (or holds itself out as acquiring) the goods for business purposes, the customer, BWI and Griffiths Equipment Ltd acknowledge and agree for the purposes of section 43 of the Consumer Guarantees Act 1993 that:

- (a) pursuant to this warranty, goods are being supplied and acquired in trade;
- (b) they are all in trade;
- (c) they are contracting out of the provisions of the Consumer Guarantees Act;
- (d) it is fair and reasonable that they are bound by this clause; and
- (e) they have each been fully able to negotiate the terms of this warranty, and have each been represented by and received advice from a lawyer during the negotiations prior to this warranty.

For the avoidance of doubt, to the extent that the customer is acquiring or holding itself out as acquiring the goods for business purposes the statutory guarantees provided for in the Act are hereby excluded. The Consumer Guarantees Act will apply in all other circumstances.

To the extent permitted by law, BWI and Griffiths Equipment Ltd shall not be liable for any loss of profits or any consequential, indirect or special loss, damage or injury of any kind whatsoever arising directly or indirectly from BWI products. This limitation does not apply to any liability of BWI for failure to comply with a consumer guarantee applicable to your BWI product under the Australian or New Zealand legislation and does not affect any rights or remedies that may be available to you under the Australian or New Zealand Consumer Legislation.

GENERAL INFORMATION

We reserve the right to add to, or delete from, or change the specification of any product featured in this catalogue without prior notification. The information supplied in this catalogue is current as at the time of printing.

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