

# DC Power Control Box With Power Meter

## User Manual



### Overview

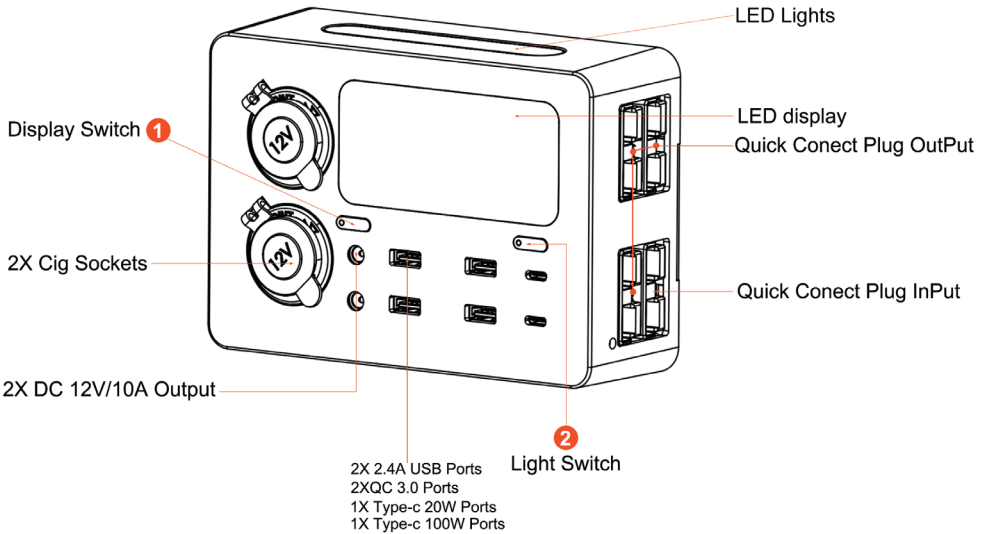
Allows you to easily distribute power to appliances and devices from your 12/24V auxiliary power battery. It's capable of connecting up to 13 appliances simultaneously, including via car accessory sockets, DC jack outputs, USB type A QC3.0 ports and two USB C power delivery ports. Plus three 50A Anderson style output connections for powering other appliances such as camping fridges, site lighting and more. It can be used with all deep cycle battery types including AGM, LiFePO4 (lithium), Wet, Gel and Calcium types. The housing is constructed from durable UL94V-0 ABS plastic for a high level of durability.

### Features

- A complete pre-wired DC connection solution for your auxiliary battery.
- Ideal for caravans, 4WDs and motorhomes.
- Backlit display readout with input volts DC, temperature, watts (input) and connection statuses.
- Power up to 13 different devices/appliances at once!
- USB charging: 2 x 2.4A USB-A outputs, 2 x QC3.0 USB-A outputs, 1 x USB-C PD 20W output, 1 x USB-C PD 100W output.
- Four 50A Anderson style connections (1 input, 3 output).
- Appliance power: 2 x car accessory sockets, 2x DC coaxial barrel outputs (5.5 x 2.1mm).
- Top mount LED torch light.

## Specifications

Materials:	ABS plastic
Size:	170mm L x 120mm W x 64mm H
Battery types:	LiFePo4 (lithium), AGM, Calcium, Wet, Gel
USB port:	5V 2.4A each
USB port (QC3.0):	5V/3A, 9V/2A, 12V 1.5A (18W)
USB port (100W power delivery):	PD 3.0, 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A
USB port (20W power delivery):	PD 3.0, 5V/3A, 9V/2.22A, 12V/1.67A, PPS 3.3-11V/2A
Car accessory socket:	DC 12V 20A / DC 24V 10A
DC jack:	DC 12V 10A (2.1mm x 5.5mm)
Anderson style plugs:	50A total
Circuit breaker for Anderson style plugs:	Auto reset 50A total
Operating temperature:	-5°C to 55°C
Weight:	600g



## Controls

1. Short press light **2** for three seconds to turn on the LED light located on the top panel.
2. Short press light **2** to enter dimming mode, with a total of 4 levels: 100%, 75%, 50%, 0%.
3. When on, press light **2** for three seconds to turn the LED light off.
4. After 30 seconds, the display screen will turn off to prevent unwanted power loss. Press **1** to wake the display screen.
5. Change the temperature display mode by pressing **1** for 2 seconds. When the temperature digits flash, release **1** and press **2** again to confirm the chosen mode.

## **Safety Warnings**

- Keep children and pets away from the control box.
- Connection between battery and control box should be fused.
- Always disconnect the power source (battery) when not in use.
- Do not insert objects or body parts into the control box.
- Ensure all exposed wiring is covered and protected from dust and moisture.
- Do not expose the control box to rain or moisture - the unit is NOT weather resistant.
- Provide as much ventilation as possible when in fixed installations to prevent excessive heat.

## **Installation Instructions**

1. Ensure the installation area is a flat surface and the unit is easily accessible.
2. Ensuring the unit is level, use to M4 screws to secure. We recommend pre-drilling the mounted surface first and fastening the screws by hand. Do not over tighten.
3. Ensure the connection between your battery and the control box is fused.
4. Connect your 12V power source to the input Anderson style connector. The unit is now ready for use.
5. If the display does not illuminate or power is unavailable from the connections, check your connection to the battery and its state of charge. Connected wiring can also be checked using a multimeter.

Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

**1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),**

- a) Calling your nearest store location and quoting your tax invoice number.
- b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customers expense.
- c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.
- d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.
- e) Please quote the R.A. number in any correspondence to us.

**2. FOR OVER THE COUNTER PURCHASES to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).**

- a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.
  - b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.
- It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorized Altronics service centre, as this will invalidate the warranty!

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.

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Phone: (08) 9428 2199  
altronics.com.au

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