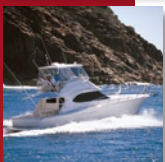


BCDC-1206

Redarc three stage DC-DC battery charger



Modern, compact SVU-style 4WDs like the RAV4, CRV, X-trail and Forrester cannot easily accommodate an auxiliary battery. You are, therefore, required to mount your auxiliary battery remotely in a caravan or camper trailer.

The voltage drop caused by long cable runs often prevents the auxiliary battery from becoming fully charged. Redarc engineers have overcome this problem by designing a three stage DC-DC battery charger ideal for these applications.

The charger operates from an input voltage range of 9 to 32V and is able to supply three stages of charge - boost, absorption and float - with a typical current output of up to 6A as shown in the graph (right).

As the input voltage of the BCDC-1206 can be above, below or equal to the output voltage, it's ideal for charging an auxiliary 12V battery where the distance from the main battery may cause a significant voltage drop.

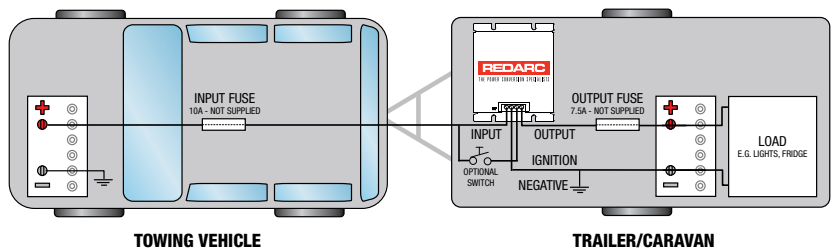
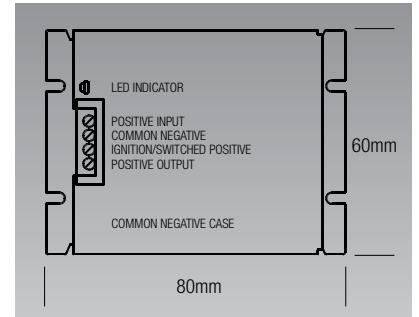
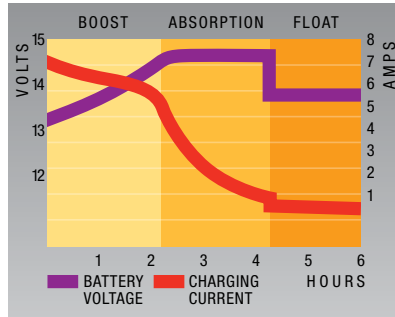
With the wide operating voltage range it provides a simple solution to charging trailer-mounted batteries from different towing vehicles.

The BCDC-1206 can deliver sufficient current to charge a battery that also has a typical, DC compressor-type camping fridge connected. We conducted tests where the Redarc BCDC-1206 was able to supply a 3A charge into an auxiliary battery whilst also running an 80 litre Waeco fridge.

BCDC-1206 features

- Compact size
- Over-current and short-circuit protection
- Operating temperature range up to 70°C
- Over-temperature protection
- Input under-voltage and over-voltage shutdown
- Output mode LED indicators.

The Redarc BCDC-1206 battery charger is 100% Australian-made, backed by a two year warranty and is available from your Redarc approved distributor.



Specifications

Part number	BCDC-1206
DC input voltage range	9-32V for continuous operation
Absorption voltage	14.5V
Float voltage	13.7V
Boost commencement voltage	12.2V
No load current (ignition switched on)	<100mA
Standby current (ignition switched off)	<150µA
Input protection	Reverse polarity by external fuse (10A fuses required on input - not supplied)
Output protection	Output over-current and short circuit protection. Reverse polarity by external fuse (7.5A fuses required on output - not supplied)
Maximum continuous output current	3.5-6.5A (input/output voltage dependent)
Screw terminal connections	Input positive Common negative Output positive Ignition positive
Standards	AS/NZS CISPR11:2004 (CISPR 11 ED. 4.1)

If you need any further information, please call us on 08 8322 4848 or email power@redarc.com.au.