

VIBC Series 12V-24V DC/DC Battery Chargers.



FUNCTION

The VIBC Series of 12V-24V battery chargers are used to charge a 24V auxiliary battery from a 12V electrical system. The input voltage range is 12VDC to 14.5VDC. The output voltage is set to 27.6VDC.

CONNECTIONS

The VIBC Series have three connecting wires, wired as shown:

VIOLET WIRE (RED on VI720BC)	12V INPUT
BROWN WIRE	27.6 V CHARGING OUTPUT
GREEN WIRE	COMMON NEGATIVE GROUND

For best results, the VIBC charger should be mounted close to the 12V start battery, keeping all leads as short as practicable.

During installation, fuses or circuit breakers (not provided) must be fitted to both the input and output sides of the charger. The recommended sizes are outlined in the table below.

SPECIFICATIONS

MODEL	VI180BC	VI360BC	VI720BC
Supply Range	12-14.5VDC	12-14.5VDC	12-14.5VDC
O/P Current Rating	7.5 Amps	15 Amps	30 Amps
O/P Voltage	27.6VDC	27.6VDC	27.6VDC
I/P Fuse Size	20A	40A	80A
O/P Fuse Size	7.5A	15A	30A
Operating Temperature	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Conversion Efficiency	>85%	>85%	>85%
Dimensions	110x135x60mm	200x135x60mm	300x135x60mm
Weight	800g	1.1kg	2.0kg
Warranty	2 years	2 years	2 years

PRECAUTIONS

The unit dissipates heat in use and should be mounted in a position which allows free air movement, especially if it is to be used at or near its full rating continuously or in high ambient temperatures.

The internal electronics are potted in silicone elastomer but the direct blast of steam cleaning must be avoided.

FREE TECHNICAL ASSISTANCE contact Redarc Electronics
Ph (08) 8322 4848, Fax (08) 8387 2889
or Email power@redarc.com.au
Specifications are subject to change without notification.