

# SUPERCARGE 201 ELECTRONIC CHARGER / POWER SUPPLY

## 1 SPECIFICATION

### Electrical

Mains Input 220-240 Volts AC +/- 10%, Frequency 50 Hz +/- 6%, Current 3.15A max.

DC Output 13.5 Volts nominal, Current 16 Amps max (200 Watts).

### Physical

Dimensions: L250 x w100 x H50mm.

Mountings: Four mounting points Side centres 117mm, Width centres 119mm.

Cooling: Internal temperature / speed controlled cooling fan with casing heat sink.

### Approvals

BS EN 60335-1/2.29, EC directive 89/336/EEC, IEC61000-3.2/3:1995.

## 2 LOCATION

The charger can be mounted in a vertical or horizontal position in either plain. It should be located in a ventilated area away from any moisture. The ventilation slots on the charger must be kept clear at all times. Do not cover the unit.

## 3 CONNECTION

### 230v

The charger requires a 230v supply protected with a fuse rated at no more than 6A.

The charger is supplied with a 300mm mains input leads with a 3pin JST plug.

The pin-out connections are as follows: *'D' shaped terminal = Live, Centre terminal = Earth, Remaining terminal = Neutral. Note that this pin-out arrangement is different to similar wiring connectors in some caravans.*

The charger cover incorporates a mains on / off switch, up = on, down = off.

### 12v

The 12v output must be protected with a fuse rated at no more than 20A, which should be located as near as practicable to the charger [+] output terminal.

The charger is supplied with a 300mm 12v output leads with two ¼" insulated blade connectors. The pin-out connections are as follows: *Red = [+] Positive, Black = [-] Negative.*

## 4 SERVICING

The charger has no user serviceable parts.

## 5 SAFETY

Switch OFF mains supply before connecting / disconnecting the battery.

Observe battery polarity, check before connecting if unsure.

Ensure there is free movement of air around the charger.

Never cover the ventilation slots or obstruct the cooling fan.