

IDENTIFICATION

This sheet covers operating instructions for the following battery chargers.

Part Number	DC Voltage (Nominal)	AC Voltage (Nominal)
1600-005	12	230
1600-006	24	230

DESCRIPTION

The automatic battery charger has been designed for diesel generator applications. The unit will work independently and may be left un-attended. The battery charger features a safety cut off to prevent over charging of the battery, therefore it may be left permanently connected to the battery with out causing damage. The unit can remain connected whilst the charging alternator is in operation.

FEATURES

Dimensions (HxWxD).....170x140x90mm
Housing.....Metal Case
Weight.....1.5Kg
DC Voltage (Nominal) Available for.....12 or 24Vdc
AC Voltage (Nominal) Available for.....115 or 230Vac
Output current.....3 Amps
Charger Fail Alarm signal.....YES
Internal DC Fuse.....5Amps



OPERATION

Control of the battery charger is automatic. The unit will function as described below.

- 1 Mains available (Green LED illuminated) the battery charger is ready to supply charge to the battery and automatically monitor the battery voltage.
- 2 Battery voltage low (Red LED illuminated) the battery charger will supply a charge to the battery.
- 3 Battery fully charged (Yellow LED illuminated) the battery charger senses that the battery has reached the upper threshold value, charging will not recommence until the lower threshold is reached.

NOTE – Should the Mains supply to the battery charger fail. A charge fail signal is provided via terminal “R” – This switches to battery negative during the fail state.

LED Indications

Ac Available.....= Green Led
Battery Fully Charged / Charger Off = Yellow Led
Battery Low / Charger On.....= Red Led

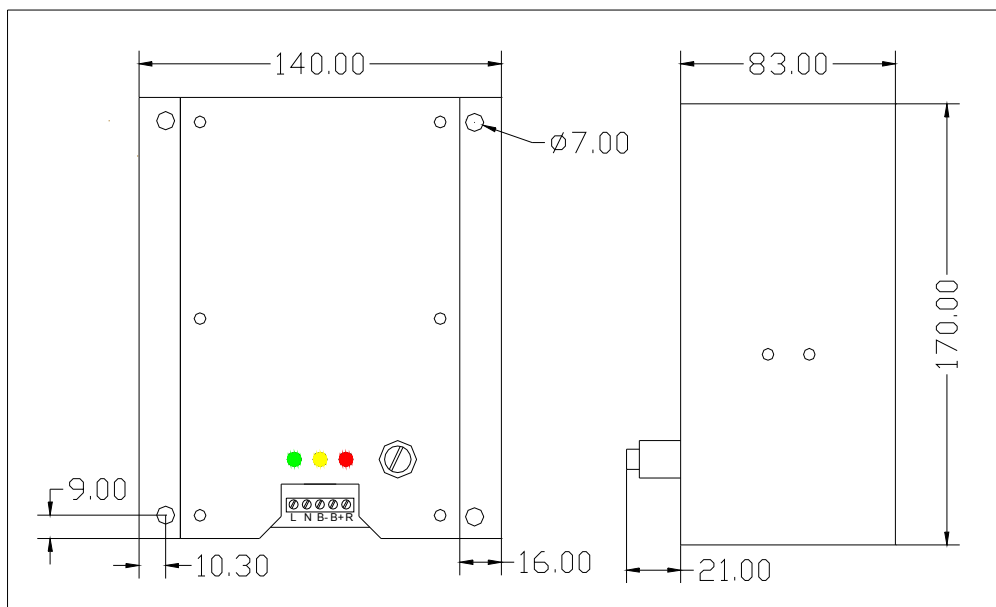
Connections

All connections are via a five way screw-in terminal block, located at the top of the battery charger.

Terminal ID	Connection
L	AC Live input
N	AC Neutral input
B-	Battery Negative
B+	Battery Positive
R	Charger fail signal

INSTALLATION / DIMENSIONS

The battery charger is designed for internal use only (typically inside a control panel or in its own wall mounted cubicle).



TYPICAL INSTALLATION

