

EPS 1208



GENERAL INFORMATION

This sophisticated switch-mode charger has been specially developed for use with all deep-cycle sealed lead-acid batteries including "Dryfit" gel batteries. It is light-weight, compact and efficient. It will operate on any AC input voltage between 90VAC to 260VAC - this means it will work ANYWHERE in the world without an additional transformer or switching for the 1208. It automatically charges, without requiring monitoring, all sealed lead-acid, maintenance type and gel batteries with a nominal voltage of 12 volts. Charging begins immediately if the battery has been properly connected. The output of the charger is electronically protected against short circuit, reverse polarity connection and extremely deeply discharged batteries. A green Light Emitting Diode (LED) on the front panel is used as a charging and state of charge indicator.

Automatic Switch-Mode Battery Charger

INPUT

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|------------------|--|
| Input | 90-260 VAC |
| Frequency | 47-63Hz |
| Protection | Internal Primary |
| Isolation | Input-Output 3000VAC Input-Case 2500 VAC Output-Case 500 VAC |
| Safety | Designed to IEC 950 |
| EMI-EMC | FCC Class B, CE, C-TICK |
| Standard | AS 3193 |
| Input Connection | 3 Core SAA Cable IEC |

MECHANICAL

| | |
|-----------------|----------------------------|
| Case Dimension | 105L X 207W X 60H |
| Casing Material | Extruded Anodized Aluminum |
| Weight | 1 Kg. |
| Cooling | Convection cooled |
| Warranty | 12 Months |

ELECTRICAL

| | |
|-----------------------------|---|
| Topology | Switching DC Power |
| Efficiency | 85% |
| Boost Charge Voltage | 14.7VDC |
| Float Charge Voltage | 13.8VDC |
| Output Charge Current | 8 Amps |
| Ripple & Noise | 150 mV |
| Line Regulation | +/- 0.5% Over |
| Load regulation | Input Range |
| Rise Time | +/- 1% 0-100% Load |
| Hold-up Time | 500 mS |
| Short Circuit Protection | 20 mS@Nominal Output |
| Over Current Protection | Output Shutdown |
| Reverse Polarity Protection | Primary Power Limited Internal Relay |

ENVIRONMENTAL

| | |
|-----------------------|----------------|
| Operating Temp. Range | -5° to 50°C |
| Storage Temperature | -30°C to +85°C |
| Relative Humidity | 10% to 90% |
| Altitude | 0-3000m |