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

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 Input Range
Load regulation	+/- 1% 0-100% Load
Rise Time	500 mS
Hold-up Time	20 mS@Nominal Output
Short Circuit Protection	Output Shutdown
Over Current Protection	Primary Power Limited
Reverse Polarity Protection	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

OPERATION

Plug in and switch on charger at the mains supply and then turn the charger's POWER switch on -- the charger is ready for connecting to the charging socket and/or batteries. IMPORTANT! This type of charger must be switched on before connecting to batteries. When the charging process begins, the green LED illuminates. After reaching approx. 80% charge, the green charging LED will cease to glow, BUT LEAVE BATTERIES CONNECTED UNTIL READY FOR USE. To check that battery is fully charged, turn off AC power or remove the charging connector for about 30 seconds then re-connect. The green LED should light momentarily then go out again. On this type of charger the battery may be left connected indefinitely as overcharging is impossible.