

EPS 1225

Features

- Compact Size
- Light Weight
- Reverse Polarity
- Short Circuit Protection
- Interchangeable Mains Power Cord
- 2-Stage Charge Cycle (Boost-Float)
- Full Automatic Operation
- Suits Any Lead Acid Battery
- Simple LED Charge Indicator
- Charge battery in car without damage to ECU or alternator



General Information

This sophisticated switch-mode charger has been specially developed for use with all deep-cycle, sealed lead-acid, calcium lead and automotive/marine batteries including immobilised gel electrolyte batteries. It is light-weight, compact and efficient and it will automatically operate on any AC input voltage between 180VAC to 260 VAC. It automatically charges, without requiring monitoring, all deep cycle, sealed lead-acid, calcium lead, automotive/marine type and gel type batteries with a nominal voltage of 12 volts and up to 110 AH. Charging begins immediate if the battery has been properly connected. The output of the charger is electronically protected against short circuit and extremely deeply discharged batteries.

INPUT

Input Voltage	180-260 VAC
Frequency	47-63 Hz
Protection	Internal Primary Inrush Limiting
Power Factor Connection Isolation	Passive 0.9 Maximum Input - Output 3000 VAC Input - Case 2500 VAC Output - Case 500 VAC
Safety	Designed to IEC 950 1 UL 1950
EMI-EMC Standard	FCC Class B, CE, C-tick AS 3193
Input Connection	SAA 3 Core Cable

MECHANICAL

Case Dimension	315 L X 205 W X 75 H (mm)
Casing Material	Extruded Anodized Aluminum
Weight	3200 grams
Cooling	Fan cooled
Warranty	12 Months

ELECTRICAL

Topology	Switching DC Power
Efficiency	90%
Boost Charge Voltage	14.4 DC
Float Charge Voltage	13.8 DC
Output Charge Current	25 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 Input
Short Circuit Protection	Output Shutdown
Over Current Protection	Secondary Current Limited
Reverse Polarity Protection	Internal Fuse

ENVIRONMENTAL

Operating Temp. Range	-5° to 50°C
Storage Temperature	-30°C to +85°C
Relative Humidity	10% to 95% non-condensing
Altitude	0-3000m

Mi Master Instruments

Sydney 33-39 Sloane Street Marrickville NSW 2204 Ph (61 2) 95191200 Fax (61 2) 95194604 E-mail sales@master-instruments.com.au
Melbourne 13/107 Heatherdale Road Ringwood Vic 3134 Ph (61 3) 9872 6422 Fax (61 3) 9872 6466 E-mail vic@master-instruments.com.au