

EPS SERIES (450 Watts) BATTERY CHARGERS



FEATURES

- Automatic Charge resumes after AC supply interruption.
- Automatic override timer shutdown due to battery fault.
- Front mounted on/off switch with built in circuit breaker.
- Can be connected continually without overcharging.
- Wall or bench mounting.
- Simple charge completion LED.
- Fully Automatic proportional timing.
- Charges batteries from 10Ah to 130Ah
- Soft (low) start voltage.
- Worldwide approved.

PRODUCT INFORMATION

EPS1225 & EPS2415 like the 200W series are also smart battery chargers for use with all 12 volt and 24 volt lead acid batteries of any technology, including Gel and AGM types. They are very compact and are designed to start charging even if the battery is deeply discharged or immediately after a mains power supply interruption. Each charger is short circuit proof, has low ripple and noise, have a simple battery charge status LED indicator and both come with optional battery connection clips.

EPS1225 & EPS2415 are high performance battery chargers for use in demanding applications where vibration may be a problem and optimal performance with a high service life is critical, such as Golf Carts, Pleasurecraft, Commercial Vehicles, Commercial Marinecraft, Industrial Power Systems and Floor Sweepers etc.

Input

Input Voltage	90-264 VAC
Frequency	50Hz -60Hz
Protection	Internal Primary Fuse Inrush Limiting
Power Factor Correction	Passive
Isolation	Input - Output 3000VAC Input - Case 2500VAC Output - Case 500VAC
Safety	Designed To IEC 950 1 UL 1950, CSA T-mark LR104697 UL E149540
RFI	FCC Class A
EMI	FCC Class B
Standards	AS3193 & AS3696-14
Input Connection	1m IEC 3 Core Cable

Mechanical

Casing Material	Extruded Anodized Aluminium
Cooling	Convection cooled

Electrical

Topology	Switching DC Power
Efficiency	≥ 85%
Boost Charge Voltage	See Table
Float Charge Voltage	See Table
Output Charge Current	See Table
Ripple & Noise	12V - 150mV, 24 - 200mV
Line Regulation	+/- 0.5% Over Input Range
Load Regulation	+/- 1% 0-100% Load
Rise Time	300mS
Hold-Up Time	20mS @ Nominal Input
Parallel Operation	Rated output of each unit equals 90% with a maximum of 3 Units

- Short Circuit Protection
- Over Current Protection
- Over Voltage Protection
- Reverse Polarity Protection

Environmental

Operating Temp. Range	-5 ^o to 50 ^o C @ FL, Auto Shutdown >80 ^o C
Storage Temperature	-30C to +85C
Relative Humidity	10% to 95% non-condensing
Altitude	0-3000m
Cooling	Convection non-vented case

Selection Table

Model Number	Boost Voltage	Float Voltage	Output Current
EPS1225	14.4VDC	13.8VDC	25.0A
EPS2415	28.8VDC	27.6VDC	15.0A
Outlet Termination			
EPS1225	6mm Ø c/w Insulated Knobs		
EPS2415	6mm Ø c/w Insulated Knobs		

Compliances

