

EPS SERIES (200 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.
- Wide ranging AC mains input.
- Can be connected continually without overcharging.
- Simple charge completion LED.
- Fully Automatic proportional timing.
- Soft (low) start voltage.
- Charges batteries from 10Ah to 130Ah
- Worldwide approved.



PRODUCT INFORMATION

EPS1208 & EPS2404 are smart technology based switch mode 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. 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.

EPS1208 & EPS2404 are high performance battery chargers for use in demanding applications where optimal performance coupled with a high service life is critical, such as Electric Wheelchairs, Golf Carts, Pleasurecraft, Commercial Vehicles, Commercial Watercraft, 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

Case Dimensions	125 L x 127 W X 57 H (mm)
Casing Material	Extruded Anodized Aluminium
Weight	1000 grams
Cooling	Convection cooled
Warranty	12 Months

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	Output Shutdown
Over Current Protection	Total Power Limiting
Over Voltage Protection	Output Shutdown
Reverse Polarity Protection	Output Shutdown

Environmental

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

Compliances



Selection Table

Model Number	Boost Voltage	Float Voltage	Output Current
EPS1208	14.4VDC	13.8VDC	8.0A
EPS2404P	28.8VDC	27.6VDC	4.0A
EPS2404C	28.8VDC	27.6VDC	4.0A
Outlet Termination			
EPS1208	300mm x 2 Core, 18AWG c/w Battery Clips		
EPS2404P	300mm x 2 Core, 18AWG c/w 3 Pin Canon Plug		
EPS2404C	300mm x 2 Core, 18AWG c/w Battery Clips		