

EPS SERIES (250 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.
- 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

EPS1214 & EPS2407 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.

EPS1214 & EPS2407 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	180-264 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 = 90% max of 3 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
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
EPS1214	14.4VDC	13.8VDC	14.0A
EPS2407	28.8VDC	27.6VDC	7.0A
Outlet Termination			
EPS1214	300mm x 2 Core, 18AWG c/w Battery Clips		
EPS2407P	300mm x 2 Core, 18AWG c/w 3 Pin Canon Plug		
EPS2407C	300mm x 2 Core, 18AWG c/w Battery Clips		

Compliances



E14950 LR104697 E14950