

## Battery Charger

### EV Series

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## 480W / 576W Single Output Battery Charger

### • Features:

- Three Stage Charging.
- SMPS based Battery Charger
- Wide Input Supply Range , Withstand upto 320VAC
- Automatic Selection of FLOAT and BOOST mode
- Protections: Short Circuit / Over load / Over Voltage/ Over Temperature
- Battery Reverse Polarity Protection
- LED Indication for Charging, Battery Rev. Polarity, Charging Status in Percentage.
- 100% Full Load Burn in test.
- High reliability

### SPECIFICATION

MODEL		EV480-48	EV576-48
Output	Float Voltage	55.2VDC	
	Float Current	0.5A ~ 1.0A	
	Boost Voltage	58VDC	
	Boost Current	10A	12A
	Rated Power	580W	696W
	Ripple and Noise Max.	< 2% Of Rated Voltage.	
	Voltage Tolerance	For Float Voltage $\pm 1\%$ ; Boost Voltage $\pm 2\%$	
	Line Regulation	< $\pm 1\%$	
	Load Regulation	< $\pm 2\%$	
	Hold up Time	> 20mSec	
Input	Operational Voltage Range	170 VAC - 270 VAC	
	Frequency	45Hz - 65Hz	
	Efficiency	>80% @ Typical AC Input With Full Load	
	Inrush Current	<50A At 230VAC	
	Leakage Current	<1mA At 230VAC	
Protection	Over Load	Above 105% Rated output Power Protection Type: Constant Current, Recovers automatically after fault condition is removed	
	Over Voltage	64V ~ 76V Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed	
	Reverse Polarity	Provided	
Indications	LED Indications	LED Indication for Charging, Battery Rev. Polarity, Charging Status in Percentage.	
Environment	Working Temp.	0°C to 50°C. ( Surrounding to Enclosure )	
	Working Humidity	20 to 90%RH Non Condensing	
	Storage Temp Humidity	-10 to 85°C 10 to 95% RH.	
	Vibration	10 to 500Hz,2G,20min/sweep,period-1Hr,Each along X,Y,Z axes	
Safety & EMC	Safety Standard	Designed to meet UL60950-1	
	Withstand Voltage	I/P-O/P : 3KVAC, I/P-Earth : 1.5KVAC, O/P-Earth : 500VAC	
	Isolation Resistance	I/P-O/P, I/P-Earth, O/P-Earth : 100M Ohms / 500VDC	
	EMI & EMC	Inbuilt EMI Filter	
Connection	Input	Mains Cord 16A/250VAC 1Sq.mm 1800mm length with Indian Standard 3 pin plug	
	Output	PVC Coated wire 2 Core 1.5Sq.mm 1500mm length with Connector IEC Outlets-C13 EMO-40	
Other	Enclosure Protection	IP-20	
	Cooling	Forced Cooling	
	Dimension (mm)	222*93*210 (L*W*H)	
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25Deg.C ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology.		

SMPS | DC DC Converters | Adapters | PoE Injectors & Splitters | Battery chargers | Battery Backup Systems  
 LED Drivers | OVP | AVR | Relay I/O Modules | Protection Relays | Surge Protectors | Inverters | Fan Controllers