

Battery Charger

EV Series

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960W Single Output Battery Charger

• Features:

- CVCC Charging.
- SMPS based Battery Charger
- Wide Input Supply Ranged, Withstand upto 320VAC
- Protections: Short Circuit / Over load / Over Voltage / Over Temperature
- Battery Reverse Polarity Protection
- LED Indication for Charging, Charging Status in Percentage.
- 100% Full Load Burn In Test.
- High Reliability

SPECIFICATION

MODEL		EV960P-48
Output	Voltage	58VDC
	Current	20A
	Rated Power	1160W
	Ripple and Noise Max.	< 2% Of Rated Voltage.
	Voltage Tolerance	< ±2 % (At Cold End)
	Line Regulation	< ±1%
	Load Regulation	< ±2 %
	Hold up Time	> 20mSec
Input	Operational Voltage Range	170VAC - 270 VAC
	Frequency	45Hz - 65Hz
	Power Factor	>0.9
	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	64Vd ~ 76V Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed
	Reverse Polarity	Provided (by Internal Fuse)
Indications	LED Indications	LED Indication for Charging, 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°C 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 : 2KVAC, 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 2Core 2.5Sq.mm 1500mm length
Other	Enclosure Protection	IP-20
	Cooling	Forced Cooling
	Dimension (mm)	310*77*242 (L*W*H)
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µF & 47µF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. 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