

## Battery Charger

### EV Series

Nuteck Power Solutions P Ltd.  
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## 480W / 600W / 720W Single Output Battery Charger

### • Features:

- Three Stage Charging
- SMPS based Battery Charger
- Wide Input Supply Range, Withstand up to 320VAC
- Protections: Short Circuit / Over load / Over Voltage / Over Temperature
- Battery Reverse Polarity Protection
- LED Indication for MAINS ON, Charging status in percentage
- 100% Full Load Burn in test
- High reliability

### SPECIFICATION

MODEL	EV480-48	EV720-48	EV600-60	EV720-60	
Output	Float Voltage	55.2VDC		69VDC	
	Float Current	1.0A ~ 2.0A	1.5A ~ 3.0A	1.0A ~ 2.0A 1.2A ~ 2.4A	
	Boost Voltage	58.4VDC		73VDC	
	Boost Current	10A	15A	10A	12A
	Rated Power	584W	876W	730W	876W
	Ripple and Noise Max.	< 2% Of Rated Voltage.			
	Voltage Tolerance	< ±2 % at Cord End			
	Line Regulation	< ±1%			
	Load Regulation	< ±2 %			
Input	Operational Voltage Range	170 VAC - 300 VAC			
	Frequency	45Hz - 65Hz			
	Efficiency	>80% @ Typical AC Input With Full Load			
	Inrush Current	<30A @ 230VAC			
	Leakage Current	<2.5mA @ 230VAC			
Protection	Over Load	Above 105% Rated output Power Protection Type: Constant Current, Recovers automatically after fault condition is removed			
	Over Voltage	66V ~ 75V	83V ~ 94V		
	Reverse Polarity	Shutdown Mode Provided			
Indications	LED Indications	LED Indication for MAINS ON, 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 1750mm length			
Other	Enclosure Protection	IP-20			
	Cooling	Forced Cooling			
	Dimension (mm)	280*150*92 (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. 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

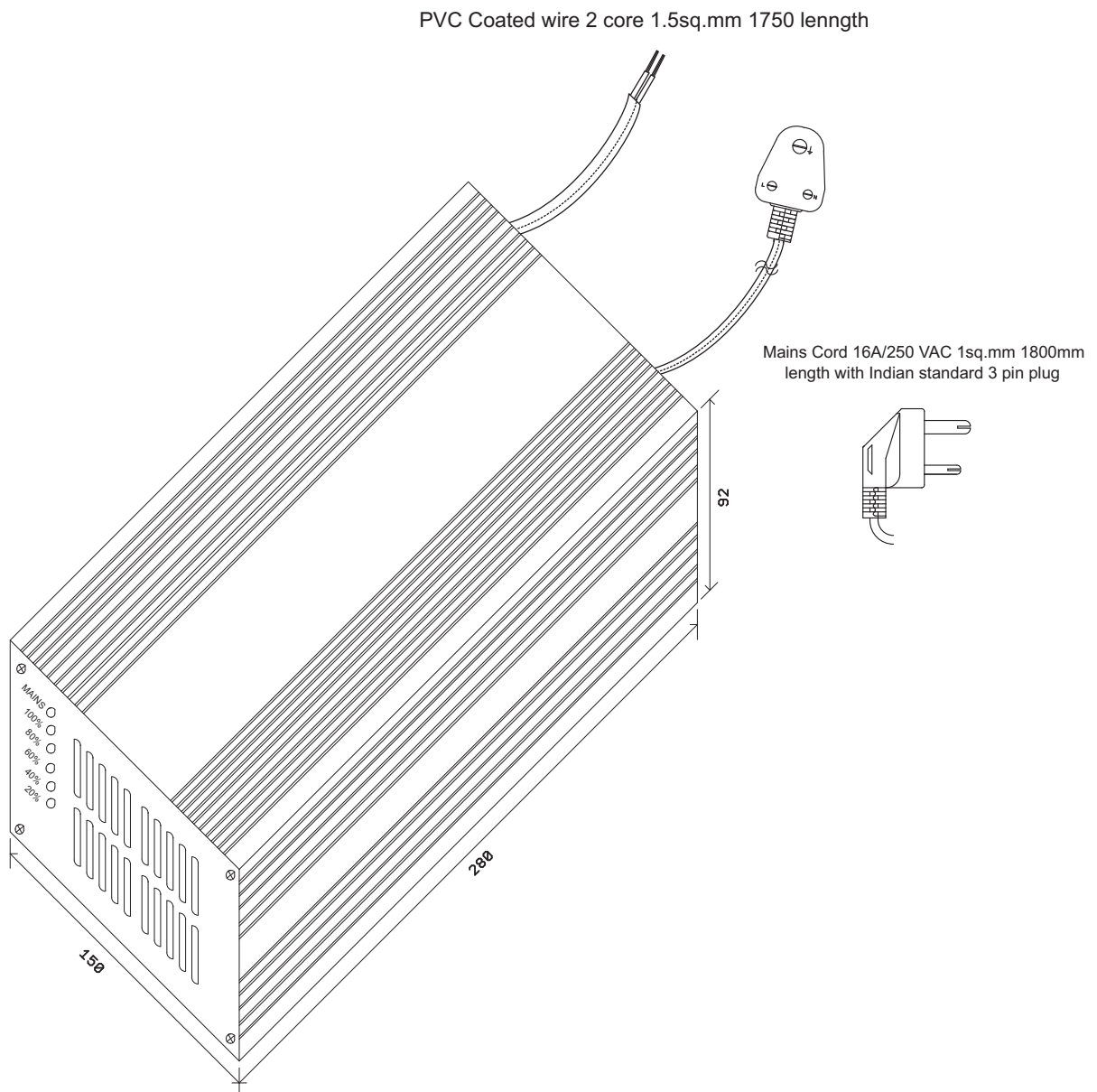
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### DIMENSIONAL DETAILS



**NOTE : ALL DIMENSIONS ARE IN MM**

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