

Battery Charger

480W

Nuteck Power Solutions P Ltd.
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480W Single Output Battery Charger

• Features:

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

SPECIFICATION

MODEL	B480-24	B480-36	B480-48	B480-72	
Output	Float Voltage	27.00V	40.50V	54.00V	81.00V
	Float Current	4.00A ~ 6.00A	3.00A ~5.00A	2.00A ~ 3.00A	1A ~ 2A
	Boost Voltage	28.40V	42.6V	56.80V	85.2V
	Boost Current	20A	13.33A	10A	6.67A
	Rated Power	568W			
	Ripple and Noise Max.	< 1% Of Rated Voltage.			
	Voltage Tolerance	< 1% Of Rated Voltage.			
	Line Regulation	< +/- 0.5 %			
	Load Regulation	< +/- 1 %			
Hold up Time	> 20mSec				
Input	Voltage Range	170 VAC - 300 VAC			
	Frequency	45Hz - 65Hz			
	Efficiency	>80%			
	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	32V ~ 38V	48V ~57V	64V ~ 76V	96V ~ 114V
		Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed			
	Reverse Polarity	By internal Fuse			
Indications	LED Indications	LED Indication for Float, Boost and Battery Rev. Polarity			
	Potential Free Contacts	NC, P, NO for Charger fail annunciation, Contact Rating: 5A/230VAC			
Environment	Working Temp.	-5°C to 55°C.(Withstand up to 70DegC)			
	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 : 2KVAC, I/P-Earth : 1.5KVAC, O/P-Earth : 500VDC			
	Isolation Resistance	I/P-O/P, I/P-Earth, O/P-Earth : 100M Ohms / 500VDC			
	EMI & EMC	Designed to meet EN55011			
Other	Enclosure Protection	IP-20			
	Cooling	Forced Cooling			
	Dimension	249*151*72 (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. The Battery Charger is considered a component which will be installed into a final equipment. The final equipment must be re-conformed that it still meets EMC directives. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology.				

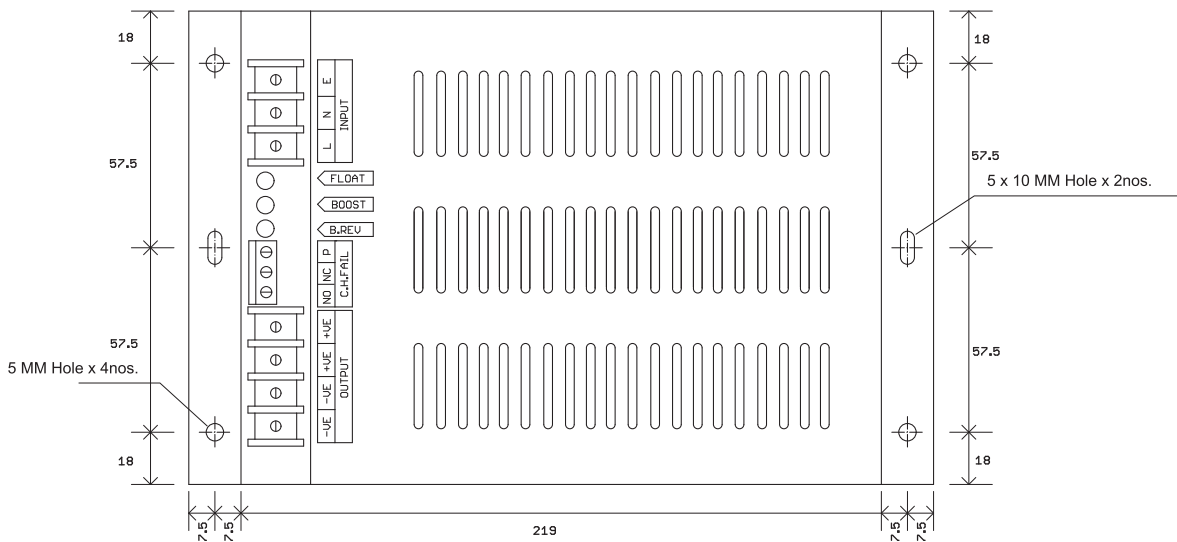
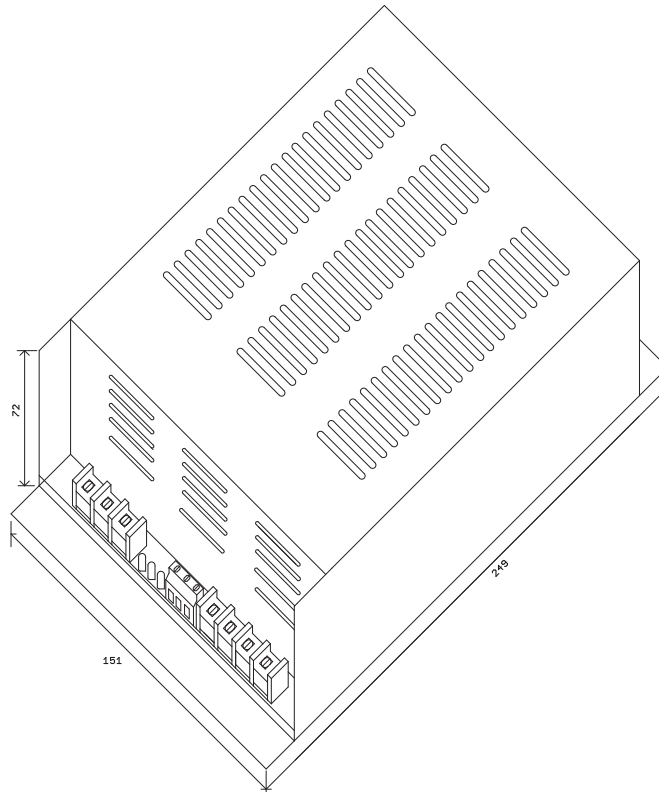
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DIMENSIONAL DETAILS



NOTE : ALL DIMENSIONS ARE IN MM