

Battery Charger

240W

Nuteck Power Solutions P Ltd.
 1st Floor, 115/5, Ramtekdi Industrial Area,
 Hadapsar, Pune-411013.
 Tel : +91 26811162, Mob : +91 9552545012
 Email : info@nuteck.in
 Web : www.nuteckpowersolutions.com

240W 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
- Withstand 440VAC Input continuous
- Battery Reverse Protection
- LED Indication for Mains ON, Float mode, Boost mode and Battery reverse Polarity
- 100% Full Load Burn in test.
- High reliability

SPECIFICATION

MODEL		C1 B240-24
Output	Float Voltage	27.0V
	Float Current	2A ~ 3A
	Boost Voltage	28.4V
	Boost Current	10A
	Rated Power	284W
	Ripple and Noise Max.	< 1% Of Rated Voltage
	Voltage Tolerance	< 1% Of Rated Voltage
	Line Regulation	< +/- 0.5 %
Load Regulation	< +/- 1 %	
Input	Voltage Range	170 VAC ~ 300VAC
	Frequency	45Hz - 65Hz
	Efficiency	>85%
	Inrush Current	<30A at 230VAC
	Leakage Current	<2mA at 230VAC
Protection	Input Over Voltage	Above 300 VAC Protection Type: Shutdown, Recovers automatically after fault condition is removed
		Withstand 440VAC
	Output Over Load	Above 105% Rated output Power Protection Type: Constant Current, Recovers automatically after fault condition is removed
		Reverse Polarity
Indications	LED Indications	LED Indication for Mains ON, Float, Boost and Battery Rev. Polarity
	Potential Free Contacts	NO-P-NC for Charger fail annunciation
Environment	Working Temp.	-5DegC to 70DegC
	Working Humidity	20 to 90%RH Non Condensing
	Storage Temp Humidity	-10 to 85DegC 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
	EMC	Designed to meet IEC61000-4-4, IEC61000-4-5 Level 4 . (Surge Diff.- 7kV Common - 7kV (8/20uSec))
Other	Enclosure Protection	IP-20
	Cooling	Forced Cooling
	Dimension (mm)	190*154*72 (L*W*H)
Note	1. All parameters NOT specially mentioned are measured at Typical 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.	

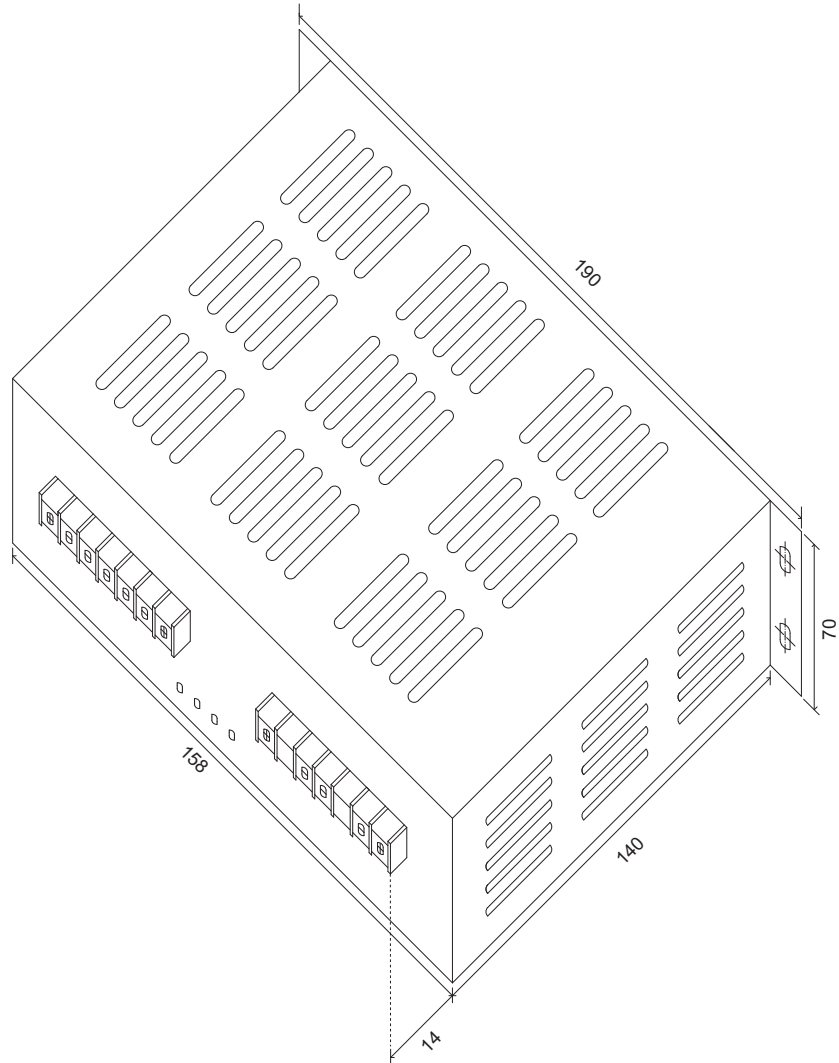
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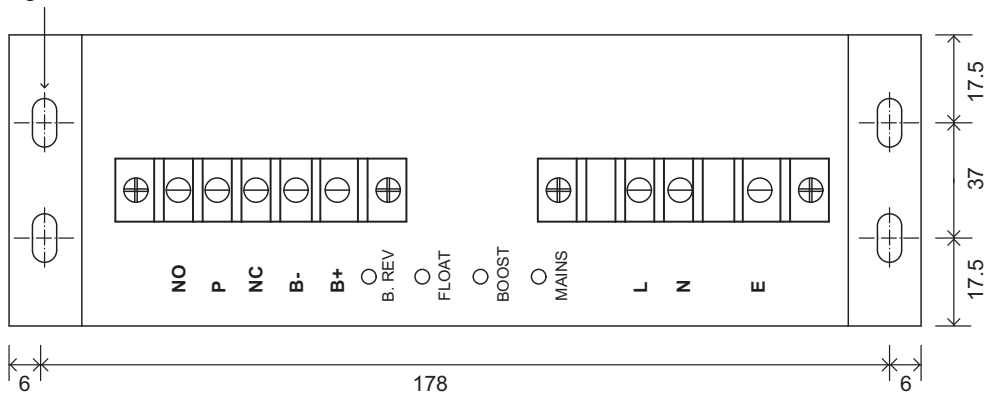
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DIMENSIONAL DETAILS



Mounting Holes - 5 x 10MM x 4 Nos.



NOTE : ALL DIMENSIONS ARE IN MM