

Battery Charger

120W

Nuteck Power Solutions P Ltd.
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120W 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 with Auto Recovery
- LED Indication for Mains ON, Float mode, Boost mode and Battery reverse Polarity
- 100% Full Load Burn in test.
- High reliability

SPECIFICATION

MODEL	C10 B120-12	
Output	Float Voltage	13.5V
	Float Current	2A ~ 3A
	Boost Voltage	14.2V
	Boost Current	10A
	Rated Power	142W
	Ripple and Noise Max.	< 1% Of Rated Voltage.
	Voltage Tolerance	< 1% Of Rated Voltage.
	Line Regulation	< +/- 0.5 %
	Load Regulation	< +/- 1 %
Input	Voltage Range	100 VAC ~ 300VAC
	Frequency	45Hz - 65Hz
	Efficiency	>85%
	Inrush Current	<30A at 230VAC
	Leakage Current	<1mA 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	Battery Reverse Protection with Auto Recovery
	Indications	LED Indications
Environment	Potential Free Contacts	NO-P-NC for Charger fail annunciation
	Working Temp.	-5DegC to 50DegC.
	Working Humidity	20 to 90%RH Non Condensing.
	Storage Temp Humidity	-10 to 85DegC 10 to 95% RH.
Safety & EMC	Vibration	10 to 500Hz,2G,20min/sweep,period-1Hr,Each along X,Y,Z axes.
	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.
Other	EMC	Designed to meet IEC61000-4-4, IEC61000-4-5 Level 4. (Surge Diff.-7 kV Common -7 kV (8/20uSec)).
	Enclosure Protection	IP-20
	Cooling	Natural Cooling
Note	Dimension	188*115*60 (L*W*H)
	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.		

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

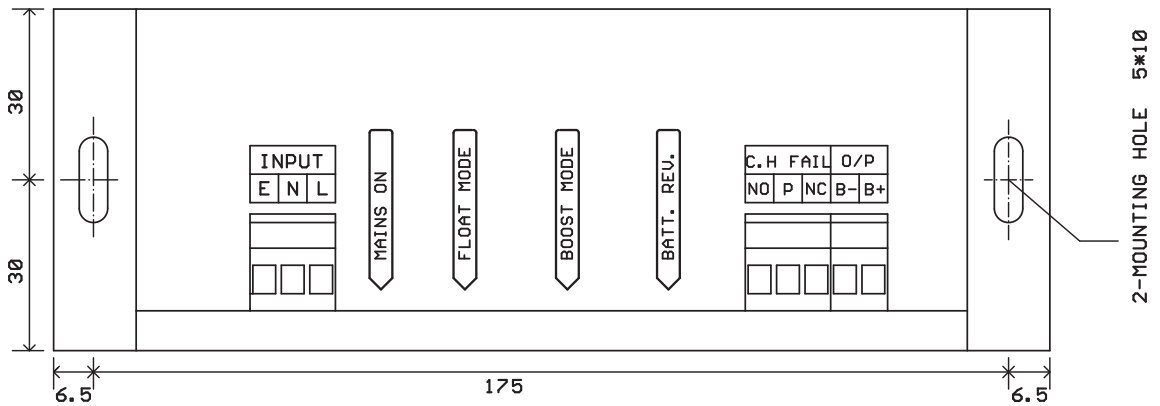
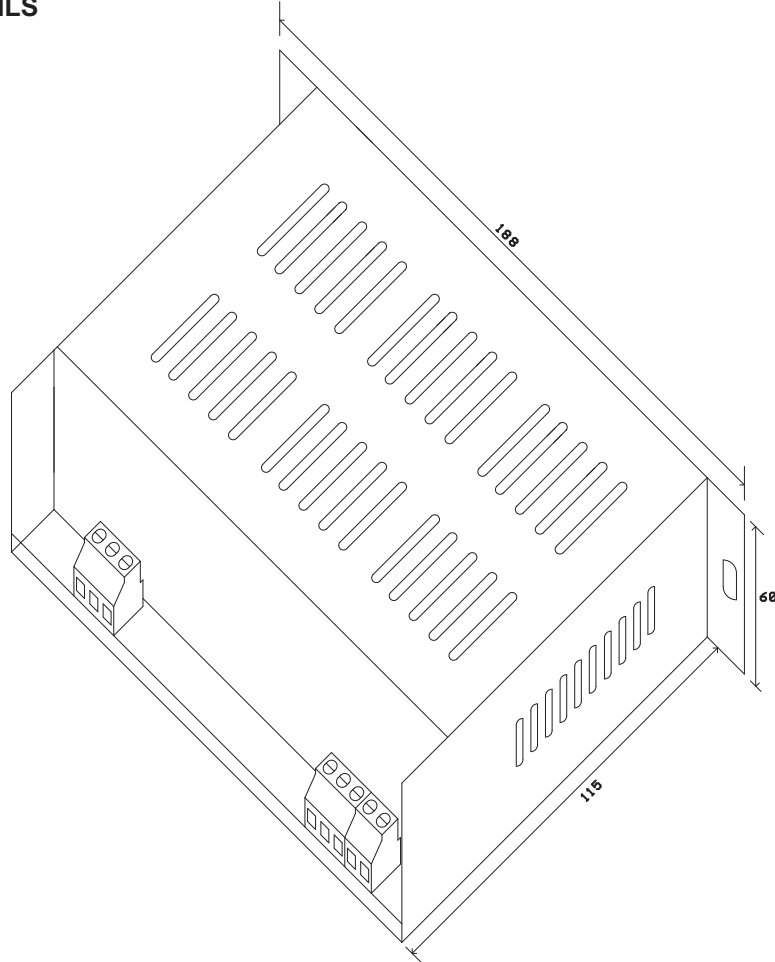
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DIMENSIONAL DETAILS



NOTE : ALL DIMENSIONS ARE IN MM