

Battery Charger

48V DC I/P 120W

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.nuteck.in

48V DC Input 120W Single Output Battery Charger

- **Features:**
- Three Stage Charging.
- Wide Input Supply Range
- Automatic Selection of FLOAT and BOOST mode
- Protections: Short Circuit/Over load
- Battery Reverse polarity protection
- LED Indication for I/P OK, Float, Boost and Battery Rev. Polarity
- 100% Full Load Burn in test.
- High reliability



SPECIFICATION

MODEL		BDC120-12
Output	Float Voltage	13.50V
	Float Current	2.00A ~ 3.00A
	Boost Voltage	14.20V
	Boost Current	10A
	Rated Power	142W Typical
	Ripple and Noise Max.	< 1% Of Rate Voltage.
	Voltage Tolerance	< 1% Of Rate Voltage.
	Line Regulation	< +/- 0.5 %
	Load Regulation	< +/- 1 %
	Hold up Time	> 20mSec
Input	Voltage Range	36 VDC - 72 VDC
	Efficiency	>80%
Protection	Over Load	Above 105% Rate output Power Protection Type: Constant Current, Recovers automatically after fault condition is removed.
	Input Reverse Polarity	Provide (Fuse Protection)
	Output Reverse Polarity	Auto Recovery
Environment	Working Temp.	-5DegC to 55DegC.
	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.
	EMI & EMC	Designed to meet EN55011
Other	Enclosure Protection	IP-20
	Cooling	Natural Cooling
	Dimension	167.5 x 117 x 67 (L x W x 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 power supply is considered a component which will be installed into a final equipment. The final equipment must be re-certified that it still meets EMC directives. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology.	

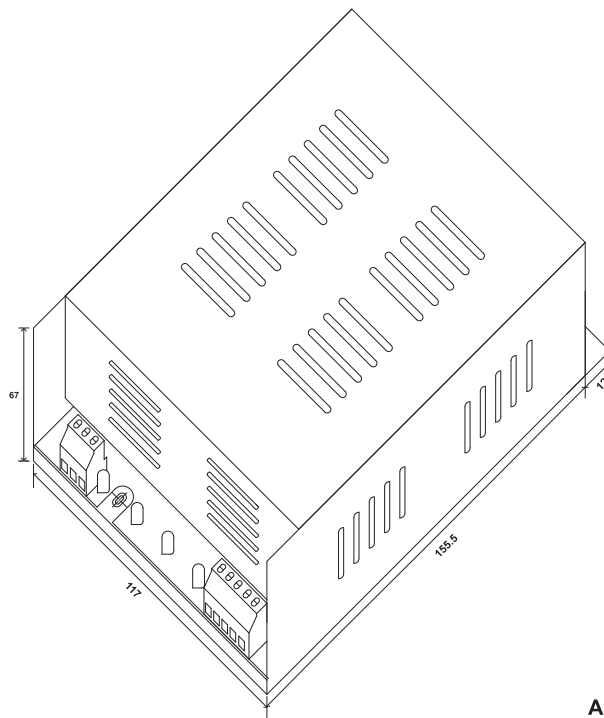
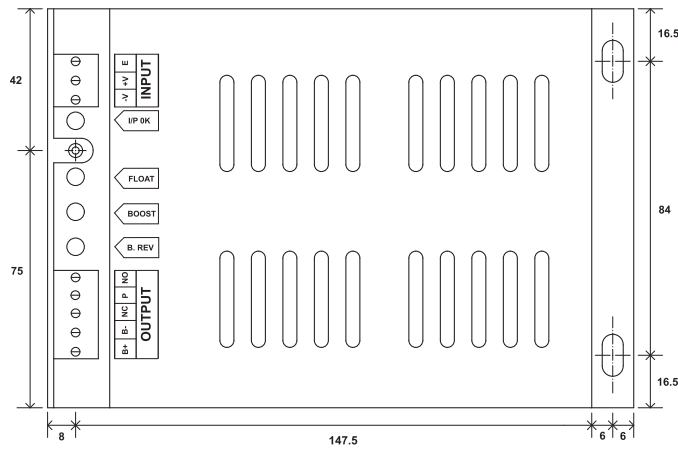
Battery Charger

48V DC I/P 120W

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.nuteck.in

48V DC Input 120W Single Output Battery Charger

DIMENSIONAL DETAILS:



All DIMENSIONS ARE IN MM