

## Battery Charger

240W

Nuteck Power Solutions P Ltd.  
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### 240W Single Output Battery Charger

**! Features:**

- ! Three Stage Charging
- ! Universal Input Supply Range
- ! Automatic Selection of FLOAT an BOOST mode
- ! Protections: Short Circuit / Over loa / Over Temperature
- ! Battery Reverse polarity protection
- ! LED Indication for Float, Boost an Battery Rev. Polarity
- ! 100% Full Loa Burn in test.
- ! High reliability

**SPECIFICATION**

MODEL		B240-24	B240-36	B240-48
Output	Float Voltage	27.00V	40.5V	54.00V
	Float Current	2.00A ~ 3.00A	1.25A ~ 1.75A	1.25A ~ 1.75A
	Boost Voltage	28.40V	42.6V	56.80V
	Boost Current	10A	6.66A	5A
	RatedgPower	284W		
	Ripple andgNoisegMax.	< 1% Of Rate Voltage.		
	Voltage Tolerance	< 1% Of Rate Voltage.		
	Line Regulation	< +/- 0.5 %		
	LoadgRegulation	< +/- 1 %		
	HoldgupgTime	> 20mSec		
Input	Voltage Range	170 VAC ~ 300 VAC		
	Frequency	45Hz - 65Hz		
	Efficiency	>80%		
	InrushgCurrent	<30A At 230VAC		
	Leakage Current	<1mA At 230VAC		
Protection	Over Load	Above 105% Rate output Power Protection Type: Constant Current, Recovers automatically after fault condition is remove .		
	Over Temperature	>140 DegC Case Temp typically detect on main control IC. Protection Type : Shut own, recovers automatically after fault condition is remove .		
	ReversegPolarity	By internal Fuse		
Indications	LEDgIndications	LED Indication for Float, Boost an Battery Rev. Polarity		
	Potential Free Contacts	NC, P, NO for Charger fail annunciation, Contact Rating: 5A/230VAC		
Environment	WorkinggTemp.	-5DegC to 55DegC.(Withstan upto 70DegC)		
	WorkinggHumidity	20 to 90%RH Non Condensing.		
	Storage TempgHumidity	-10 to 85DegC 10 to 95% RH.		
	Vibration	10 to 500Hz,2G,20min/sweep,perio -1Hr,Each along X, Y, Z axes.		
Safety &gEMC	Safety Standard	Designe to meet UL60950-1		
	WithstandgVoltage	I/P-O/P : 2KVAC , I/P-Earth : 1.5KVAC , O/P-Earth : 500VDC.		
	IsolationgResistance	I/P-O/P , I/P-Earth , O/P-Earth : 100M Ohms / 500 VDC.		
	EMI &gEMC	Designe to meet EN55011		
Other	EnclosuregProtection	IP-20		
	Cooling	Force Cooling.		
	Dimension	192*101*70 (L*W*H)		
Note	1. All parameters NOT specially mentione are measure at 230VAC input, rate loa an 25Deg.C. ambient temperature. 2. Ripple & noise are measure at 20MHz of ban wi th by using a 12" twiste pair-wire terminate with a 0.1uF & 47uF parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation an loa regulation. 4. The Battery Charger is consi ere a component which will be installe into a final equipment. The final equipment must be re-conforme that it still meets EMC irectives. 5. Specifications are subject to change without prior notice ue to constant improvement in esign & technology.			

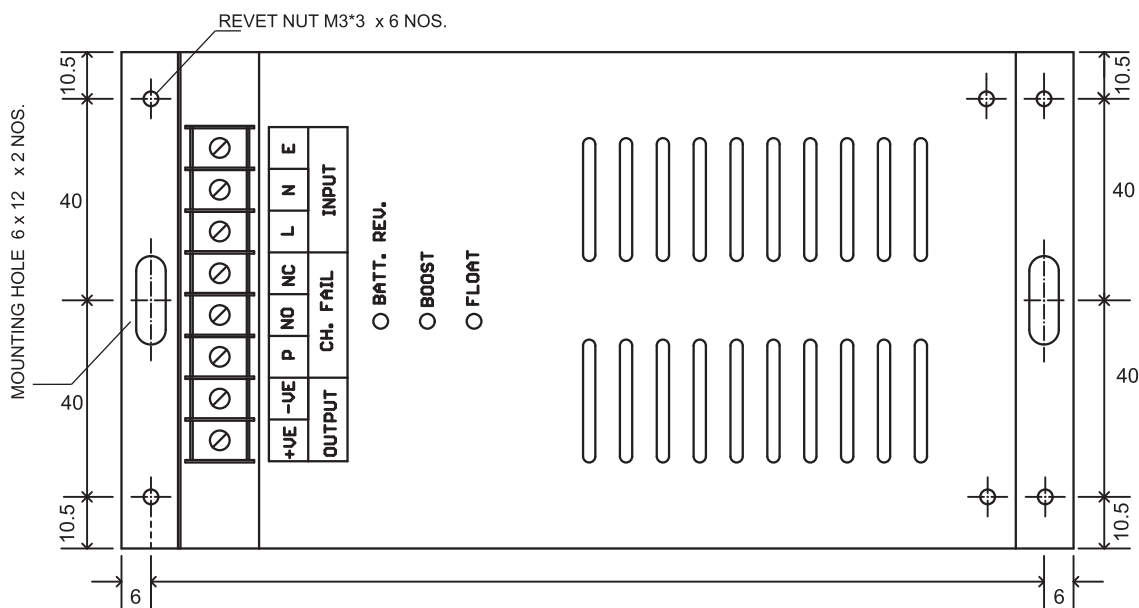
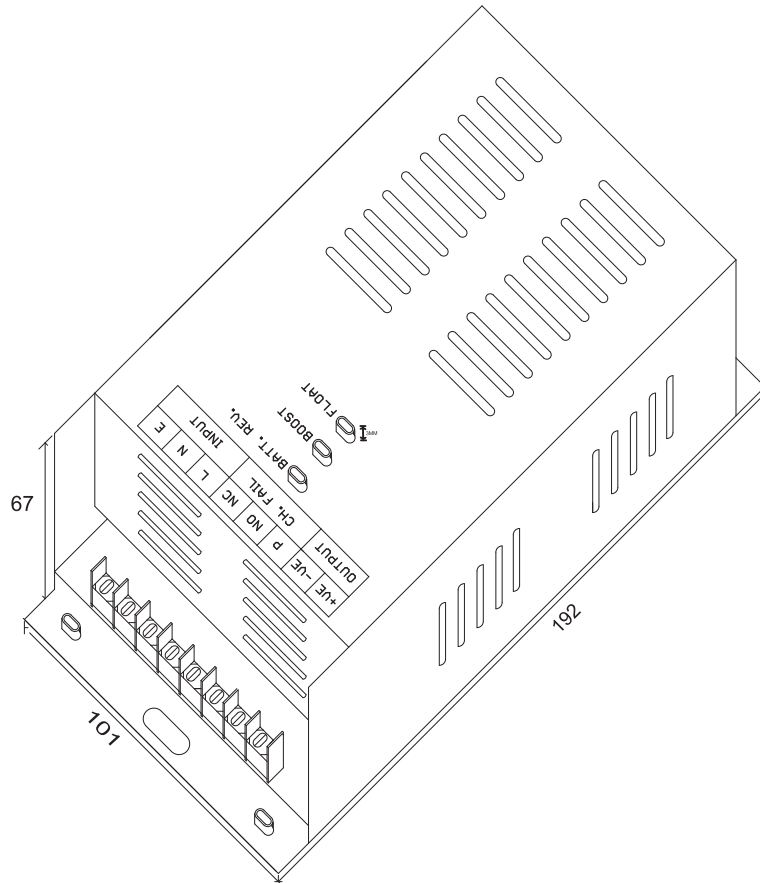
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### DIMENSIONAL DETAILS



SMPS | DC DC Converters | Adapters | PoE Injectors & Splitters | Battery char ers | Battery Backup Systems  
 LED Drivers | OVP | AVR | Relay I/O Modules | Protection Relays | Sur e Protectors | Inverters | Fan Controllers