

DATASHEET



Battery Charger

720W

Nuteck Power Solutions P Ltd.
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720W Single Output Battery Charger

! Features:

- ! Three Stage Charging.
- ! Universal Input Supply Range
- ! Automatic Selection of FLOAT and BOOST mode
- ! Protections: Short Circuit / Over load / 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		B720-24	B720-36	B720-48	B720-72
Output	Float Voltage	27.00V	40.5V	54.00V	81.00V
	Float Current	6.50A ~ 8.50A	4.00A ~ 6.00A	3.00A ~ 4.75A	2.75A ~ 4.25 A
	Boost Voltage	28.40V	42.6V	56.80V	85.2V
	Boost Current	30A	20A	15A	10A
	Rated Power	852W			
	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	170 VAC - 300 VAC			
	Frequency	45Hz - 65Hz			
	Efficiency	>80%			
	Inrush Current	<50A 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 removed.			
	Over Voltage	32V ~ 38V	48V ~ 57V	64V ~ 76V	96V ~ 114V
	Reverse Polarity	By internal Fuse			
Indications	LED Indications	LED Indication for Mains on, Float, Boost and Battery Rev. Polarity			
	Potential Free Contacts	NC, P, NO for Charger fail annunciation, Contact Rating: 5A/230VAC			
Environment	Working Temp.	-5DegC to 55DegC.(Withstand upto 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,peroi -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	Force Cooling.			
	Dimension	314*223*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

