

Battery Backup

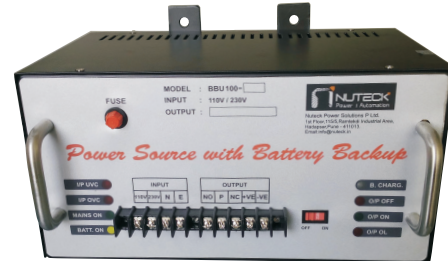
BBU100

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100W Power Source With Battery Backup

Features:

- Universal AC I/P supply range
- Automatic change over on battery
- Protections: Short circuit / over load
- Inbuilt 12V7Ah SMF Battery
- Cooling by free air convection
- > 20 Minutes Battery Backup
- Impulse load 450W
- 100% full load burn in test
- High reliability



SPECIFICATION:

MODEL		BBU100-24	BBU100-30	BBU100-48	BBU100-110	BBU100-220
Output	Voltage	24 VDC	30VDC	48VDC	110VDC	220VDC
	Current	4.16 AMPS	3.33 AMPS	2.1 AMPS	1 AMPS	0.5 AMPS
	Rated Power	100W			110W	
	Impulse Power	450W for 300msec, pulse repetition rate - 10sec/cycle				
	Ripple & Noise (Max.)	< 1% of output Voltage				
	Voltage Tolerance	+ / - 1 % of Rated Voltage				
	Line Regulation	< + / - 0.5%				
	Load Regulation	< + / - 1%				
Hold up Time	> 20mSec Typical					
Input	Voltage Range	80 ~ 150VAC for 110VAC and 160 ~ 300VAC for 230VAC				
	Frequency Range	45 ~ 65 Hz				
	Efficiency	> 80 %				
	AC Current	2A at 110VAC and 1A at 230VAC				
	Inrush Current (max)	Cold Start 15A (MAX) / 110VAC and 30A (MAX) / 230VAC				
	Leakage Current	< 0.5mA / 110VAC and < 1mA / 230VAC				
Protection	Over Load	Protection Type: Constant current, recovers aotomatically after fault condition is removed				
	Battery low	Protection Type: Output gets shutdown at battery voltage 10.5VDC				
Auto change over	I/P Under voltage Cut off	I/P- 110VAC	Under voltage Cut off = 80VAC +/-10VAC and Recovery =90VAC +/-10VAC After cutoff o/p automatically change over on Battery.			
		I/P- 230VAC	Under voltage Cut off = 160VAC +/- 10VAC and Recovery =175VAC +/-10VAC After cutoff o/p automatically change over on Battery.			
	I/P over voltage Cut off	I/P- 110VAC	Over Voltage Cut off = 150VAC +/-10VAC and Recovery =140VAC +/-10VAC After cutoff o/p automatically change over on Battery.			
		I/P- 230VAC	Over Voltage Cut off = 300VAC +/-10VAC and Recovery =290VAC +/-15VAC After cutoff o/p automatically change over on Battery.			
Indications	LED Indication	5MM LED Indication for I/P under volt, I/P over volt, Mains On, Batt. operation, O/P switch off, Batt. charging (Red) & Batt.Full charge (Green), O/P On and Over load.				
	Aux. Contacts	Potential free contact for output fail annunciation, contact rating : 250VAC/5A(Resistive)				
Environment	Working Temp.	-5DegC~ 60DegC				
	Working Humidity	20 ~ 90%RH Non-Condensing				
	Storage Temp. Humidity	-10 ~ 85DegC 10 ~ 95% RH				
	Vibration	10~500Hz,2G, 20min/sweep, Period-1Hr., Each along X,Y,Z axes				
Safety & EMC	Safety Standard	As per UL60950-1				
	Withstand Voltage	I/P-O/P : 2KVAC , I/P-Earth : 1.5KVAC , O/P-Earth : 500VAC				
	Isolation Resistance	I/P-O/P, I/P-Earth,O/P- Earth : 100M Ohms / 500VDC				
	EMI & EMC	As per EN55011/EN55022, EN61000-4-4, EN61000-4-6				
Other	Connectivity	9 pin Screw type terminal block				
	Dimensions	280MM*210MM*190MM (L*W*H) Panel mounting provision 100*160 MM Matrix				
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-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

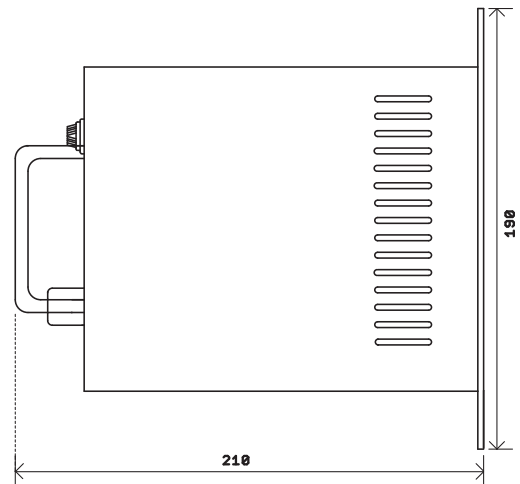
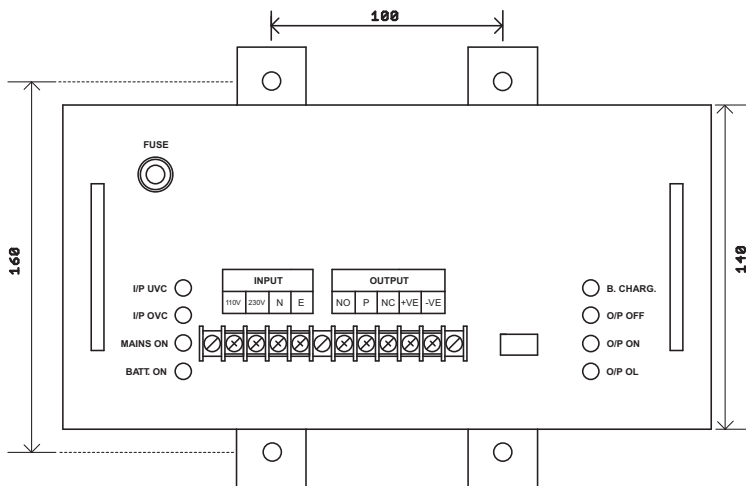
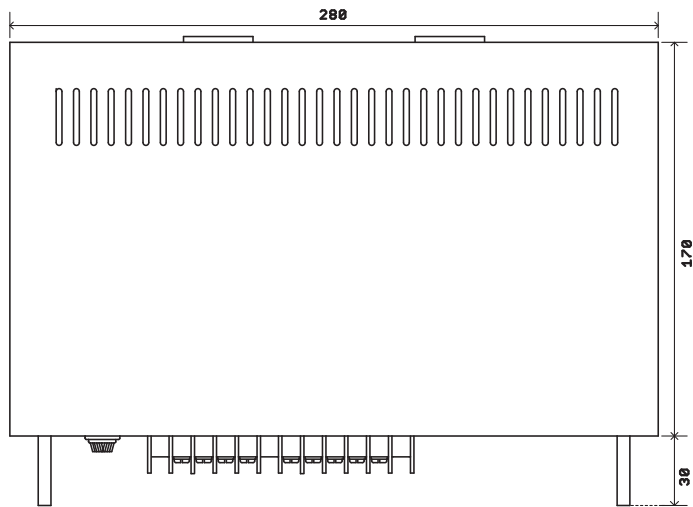
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DIMENSIONAL DETAILS



NOTE : ALL DIMENSIONS ARE IN MM