

PB-300 Series

300W Single Output Battery Charger



FEATURES

- AC input range switch selectable
- Built-in passive PFC (option)
- 3 stage charging
- Charger for lead acid batteries
- Short circuit protection
- Reverse polarity protection
- Over Voltage protection
- Over Temperature protection
- 2 colour LED indicator
- 2 years warranty

ENVIRONMENTAL

Operating Temp: -10 to +40°C

Storage Temp: -40 to +85°C

SAFETY / EMC (SEE NOTE 4)

EN60335-2-29 CB approved by TUV

EN55022 (CISPR22) Class B
EN61000-3-2,-3 (P type only)
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
Light Industry level criteria A

ELECTRICAL SPECIFICATIONS

Model No.	PB-300-X-12	PB-300-X-24
X	P: With Passive PFC / N: Without Passive PFC	
AC Input	90-132 / 180-264VAC switch selectable, 47-63Hz	
DC Output		
Boost Charge Volts	14.4V	28.8V
Float Charge Volts	13.6V	27.2V
Current (max)	20.85A	10.5A
Continuous Output Current (note 6)	12.5A	6.25A
Battery Capacity (note 5)	80-200Ahr	40-125Ahr
Remote Control	Open: Normal working / Short: Stop charging	
Protection	90 - 110% of rated output current.	
Overload	Constant I limiting. Recovers automatically.	
Over Voltage	15 - 17V	30 - 35V
Over Temperature	Automatically de-rates charge current until zero.	
Reverse Polarity	By internal fuse.	
Dimensions	253(L) x 135(W) x 48.5(H) mm	
Weight	1.45Kg	

- Notes:**
1. All parameters **NOT** specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line 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-confirmed that it still meets EMC directives.
 5. Please consult your battery manufacturer for their recommendations about maximum charging current limitations.
 6. Test condition is at 25°C. Charging current will change under different temperatures.

Specifications subject to change without notice

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