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300W Battery Charger Power supply > PB-300



■ Features :

- Charger for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese) (Note.1)
- 3 stage charging
- AC 115/230VAC selected by switch
- Built-in passive PFC function compliance to EN61000-3-2 Class A (option)
- Protection: Short circuit / Reverse polarity / Over voltage / Over temperature
- Cooling by free air convection
- 2 color LED loading indicator
- Low cost, High reliability
- 3 years warranty



PB - 300 P - 12	
P:With Passive PFC N:Without Passive PFC	12:14.4V 24:28.8V 48:57.6V

SPECIFICATION

MODEL	PB-300□-12	PB-300□-24	PB-300□-48			
OUTPUT	BOOST CHARGE VOLTAGE V_{boost}	14.4V	28.8V	57.6V		
	FLOAT CHARGE VOLTAGE V_{float}	13.6V	27.2V	54.4V		
	VOLTAGE ADJUSTABLE RANGE	13 ~ 14.7V	26 ~ 28.8V	52 ~ 58.6V		
	RECOMMENDED BATTERY CAPACITY (AMP HOURS) <small>Note 6</small>	60 ~ 200Ah	30 ~ 100Ah	15 ~ 50Ah		
	BATTERY TYPE	Open & Sealed Lead Acid				
	MAX. OUTPUT CURRENT (Typ.) <small>Note 8</small>	20.85A	10.5A	5.3A		
	CONTINUOUS OUTPUT CURRENT (Typ.) <small>Note 7</small>	12.5A	6.25A	3.2A		
INPUT	VOLTAGE RANGE			90 ~ 132VAC / 180 ~ 264VAC selected by switch	127 ~ 187VDC / 254 ~ 370VDC	
	FREQUENCY RANGE			47 ~ 63Hz		
	POWER FACTOR (Typ.)			>0.65 (with P type) at 230VAC		
	EFFICIENCY (Typ.)			85%	86%	88%
	AC CURRENT (Typ.)			6A/115VAC 3A/230VAC		
	INRUSH CURRENT (Typ.)			COLD START 60A		
	LEAKAGE CURRENT			<3.5mA / 240VAC		
PROTECTION	SHORT CIRCUIT			O/P Built in fuse (FS100) to protect short circuit condition, shut down o/p voltage and can not re-power on		
	REVERSE POLARITY			By internal fuse		
	OVER VOLTAGE			16 ~ 18V	31 ~ 35V	59 ~ 64V
	OVER TEMPERATURE			Protection type : Shut down o/p voltage, re-power on to recover		
FUNCTION	REMOTE CONTROL (CN5)			Open: Normal work Short: Stop Charging		
	WORKING TEMP.			-10 ~ +50°C (Refer to "Derating Curve")		
ENVIRONMENT	WORKING HUMIDITY			20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY			-40 ~ +85°C, 10 ~ 95% RH non-condensing		
	TEMP. COEFFICIENT			±0.05%/°C (0 ~ 45°C)		
	VIBRATION			10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC <small>(Note 5)</small>	SAFETY STANDARDS			IEC60335-2-29 CB approved by TUV(except for 48V), UL62368-1, CSA C22.2 No. 62368-1, EAC TP TC 004 approved		
	WITHSTAND VOLTAGE			I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE			I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH		
	EMC EMISSION			Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3 (only P type), EAC TP TC 020		
OTHERS	EMC IMMUNITY			Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020		
	MTBF			115.8Khrs min. MIL-HDBK-217F (25°C)		
	DIMENSION			253*135*48.5mm(L*W*H)		
NOTE	PACKING			1.45Kg; 6pcs/9.7Kg/1.03CUFT		
	1. Modification for charger specification may be required for different battery specification. 2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 4. Tolerance : includes set up tolerance, line regulation and load regulation. 5. 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. 6. This is Mean Well's suggested range. Please consult your battery manufacturer for their suggestions about maximum charging current limitation. 7. Test condition is at 25°C, charging current will change under different temperature. 8. Maximum charging current will be in the range of 90~110% rated output current. 9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).					

