



Features :

- 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
- Charger for lead-acid batteries
- 2 color LED loading indicator
- Low cost, High reliability
- 3 years warranty



PB - 300 **P** - 12

P:With Passive PFC
N:Without Passive PFC

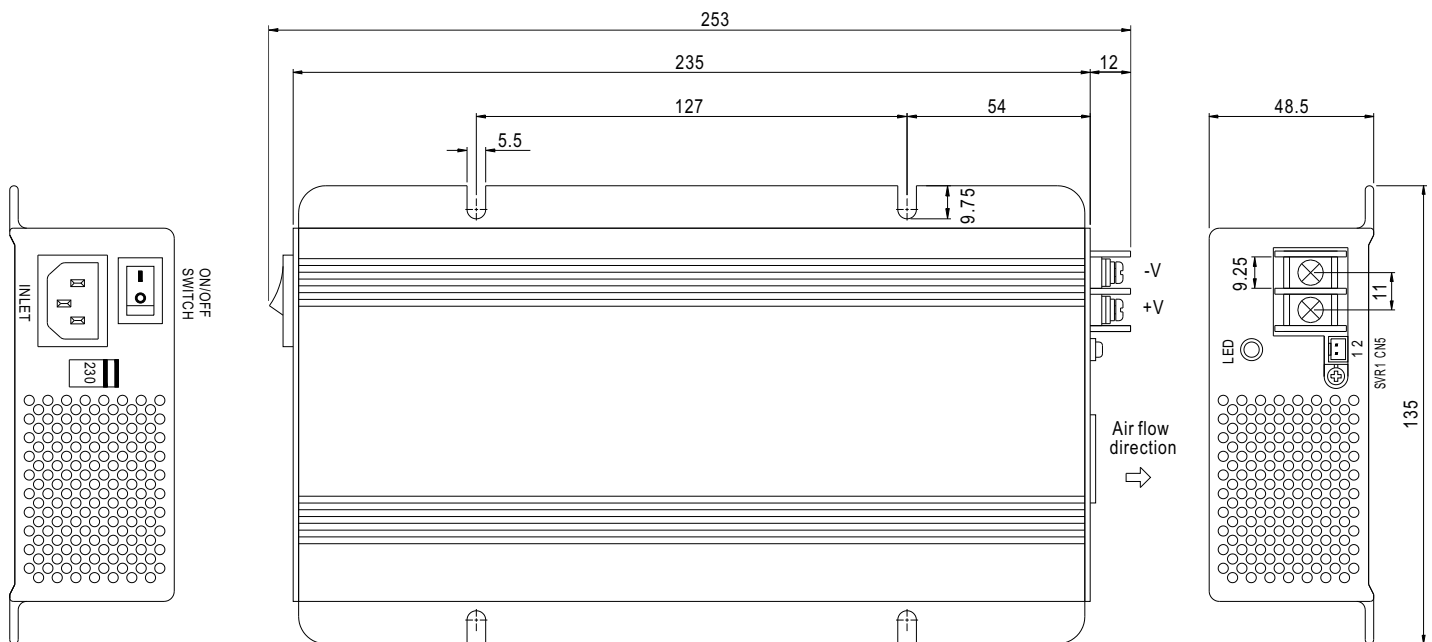
12:14.4V
24:28.8V
48:57.6V

SPECIFICATION

MODEL		PB-300□-12		PB-300□-24		PB-300□-48	
OUTPUT	BOOST CHARGE VOLTAGE	14.4V		28.8V		57.6V	
	FLOAT CHARGE VOLTAGE	13.6V		27.2V		54.4V	
	VOLTAGE ADJUSTABLE RANGE	13 ~ 14.7V		26 ~ 28.8V		52 ~ 58.6V	
	RECOMMENDED BATTERY CAPACITY(AMP HOURS) Note 5	60 ~ 200Ah		30 ~ 100Ah		15 ~ 50Ah	
	BATTERY TYPE	Open & Sealed Lead Acid					
	MAX. OUTPUT CURRENT(Typ.) Note 7	20.85A		10.5A		5.3A	
	CONTINUOUS OUTPUT CURRENT (Typ.) Note 6	12.5A		6.25A		3.2A	
	INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC selected by switch 127 ~ 187VDC / 254 ~ 370VDC				
FREQUENCY RANGE		47 ~ 63Hz					
EFFICIENCY (Typ.)		85%		86%		88%	
POWER FACTOR (Typ.)		>0.65 (with P type) at 230VAC					
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	
		Protection type : Shut down o/p voltage, re-power on to recover					
	OVER TEMPERATURE	Protection type : Automatically derate charge current until zero					
FUNCTION	REMOTE CONTROL (CN5)	Open: Normal work Short: Stop Charging					
ENVIRONMENT	WORKING TEMP.	-10 ~ +50℃ (Refer to output load derating curve)					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.05%/℃ (0 ~ 45℃)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC (Note 4)	SAFETY STANDARDS	IEC60335-2-29 CB approved by TUV(except for 48V), UL60950-1 approved					
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B					
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3 (only P type)					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A					
OTHERS	MTBF	115.8Khrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	253*135*48.5mm(L*W*H)					
	PACKING	1.45Kg; 6pcs/9.7Kg/0.95CUFT					
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of 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-confirmed that it still meets EMC directives. 5. This is Mean Well's suggested range. Please consult your battery manufacturer for their suggestions about maximum charging current limitation. 6. Test condition is at 25℃, charging current will change under different temperature. 7. Maximum charging current will be in the range of 90~110% rated output current.						

Mechanical Specification

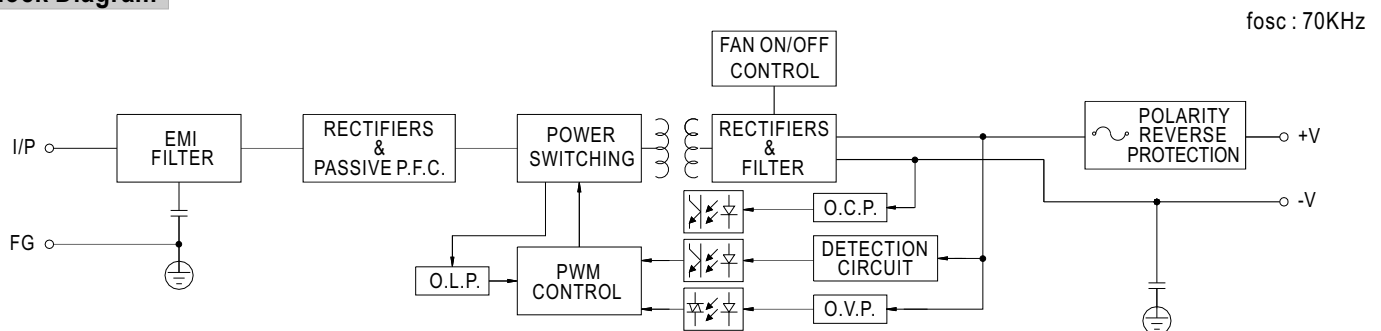
Case No.801B Unit:mm



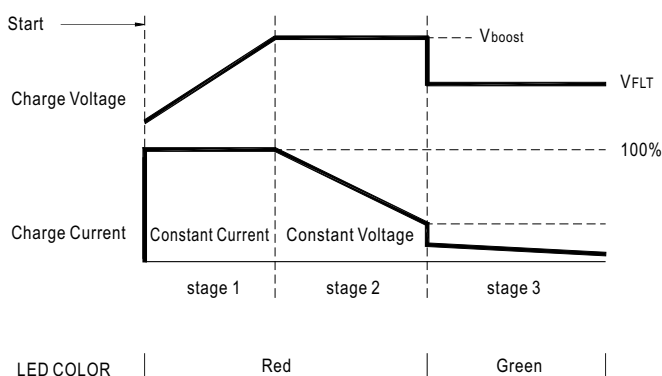
Remote Control(CN5) : JST B2B-XH or equivalent

Assignment	Mating Housing	Terminal
PIN1,2 Open: Normal work	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
PIN1,2 Short: Stop Charging		

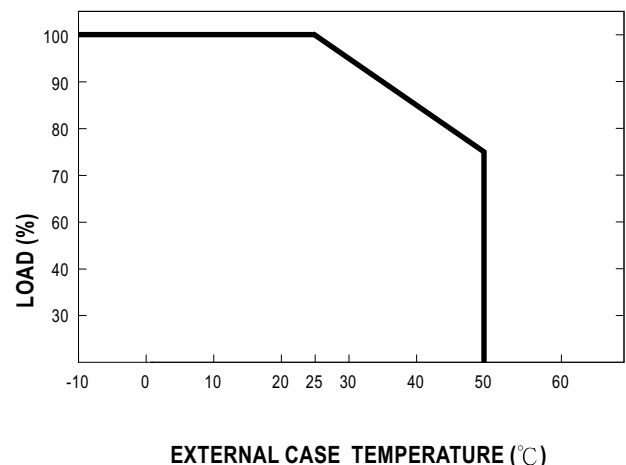
Block Diagram



Charging Curve



Output Load VS Temperature



State	PB-300-12	PB-300-24	PB-300-48
Vboost	14.4V	28.8V	57.6V
VFLT	13.6V	27.2V	54.4V