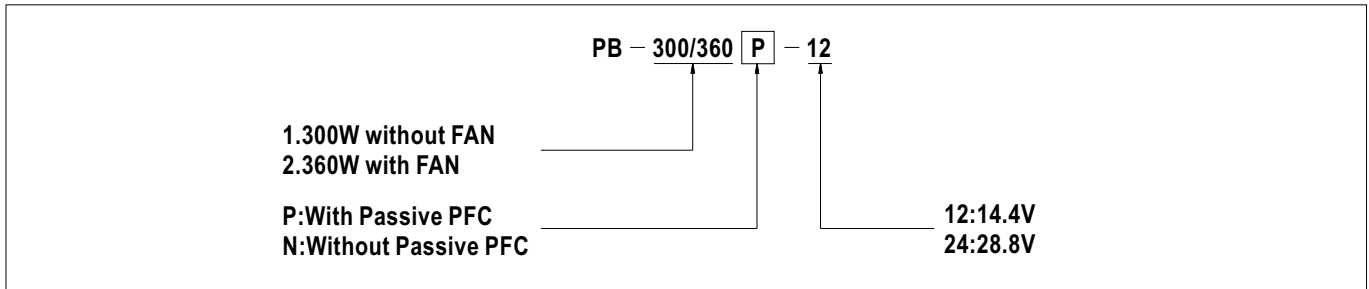




■ Features :

- 3 stage charging
- AC 115/230VAC selected by switch
- Built-in passive PFC function compliance to EN61000-3-2 Class A (option)
- Protection: Reverse Polarity / Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Charger for lead-acid batteries
- 2 color LED loading indicator
- Low cost, High reliability
- 2 years warranty

CBC (CE for P type only)

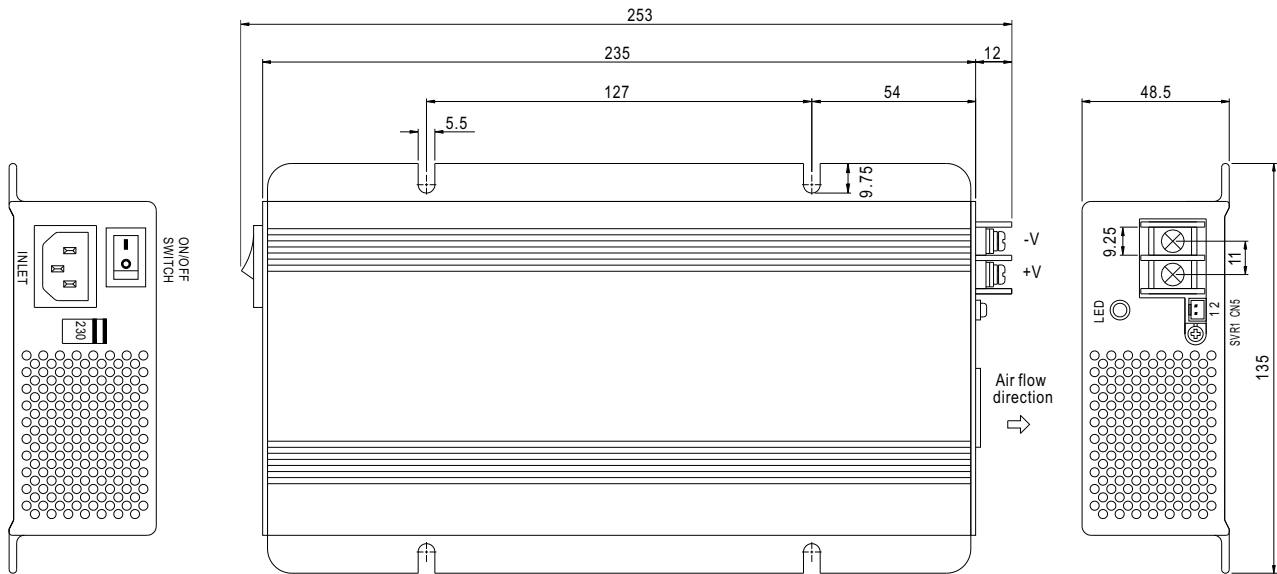


SPECIFICATION

MODEL	PB-300□-12	PB-300□-24	
OUTPUT	BOOST CHARGE VOLTAGE	14.4V	28.8V
	FLOAT CHARGE VOLTAGE	13.6V	27.2V
	VOLTAGE ADJUSTABLE RANGE	13 ~ 14.7V	26 ~ 28.8V
	RECOMMENDED BATTERY CAPACITY(AMP HOURS)(Note 5)	80 ~ 200Ah	40 ~ 125Ah
	BATTERY TYPE	Open & Sealed Lead Acid	
	OUTPUT CURRENT(max.)	20.85A	10.5A
	CONTINUOUS OUTPUT CURRENT (Typ.) (Note 6)	12.5A	6.25A
INPUT	VOLTAGE RANGE	90 ~ 132VAC / 180 ~ 264VAC selected by switch	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85%	86%
	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	OVERLOAD	90 ~ 110% rated output current Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	REVERSE POLARITY	By internal fuse	
	OVER VOLTAGE	16 ~ 18V	31 ~ 35V
	OVER TEMPERATURE	Protection type : Automatically derate charge current until zero	
FUNCTION	REMOTE CONTROL (CN5)	Open: Normal work Short: Stop Charging	
ENVIRONMENT	WORKING TEMP.	-10 ~ +40°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.05%/°C (0 ~ 45°C)	
	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	
	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	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3 (only P type)	
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A	
	MTBF	115.8Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	253*135*48.5mm(L*W*H)	
	PACKING	1.45Kg; 6pcs/9.7Kg/0.95CUFT	
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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°C, charging current will change under different temperature. 		

Mechanical Specification

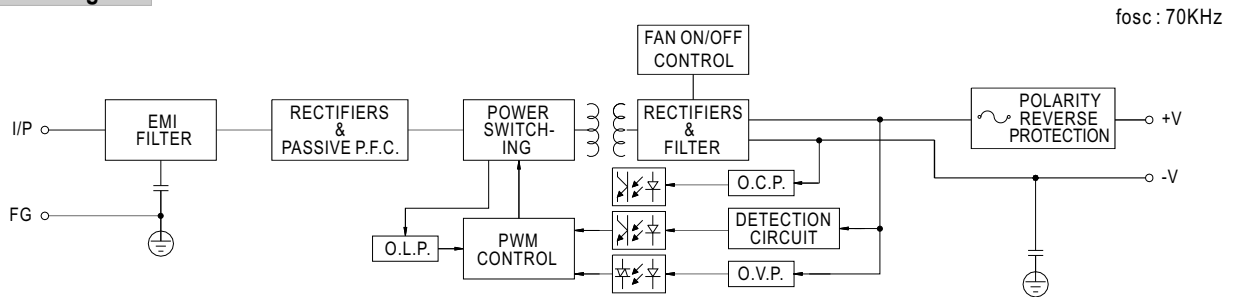
Case No.801B Unit:mm



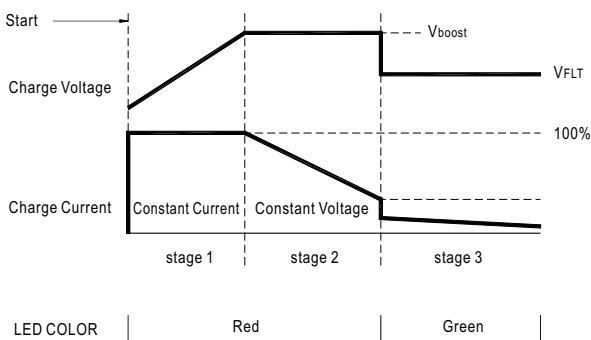
Remote Control(CN5) : JST B2B-XH or equivalent

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



State	PB-300/360-12	PB-300/360-24
Vboost	14.4V	28.8V
VFLT	13.6V	27.2V

Output Load VS Temperature

