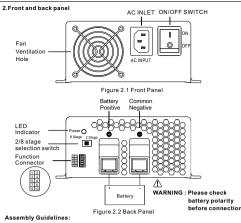


MODEL		PB-600-12	PB-600-24	PB-600-48	
OUTPUT	BOOST CHARGE VOLTAGE	14.4V	28.8V	57.6V	
	FLOAT CHARGE VOLTAGE	13.8V	27.6V		
	RECOMMENDED BATTERY CAPACITY(AMP HOURS)(Note 3)	135 ~ 400Ah	70 ~ 210Ah	35 ~ 105Ah	
	BATTERY TYPE	Open & Sealed Lead Acid			
	OUTPUT CURRENT	40A	21A	10.5A	
INPUT	VOLTAGE RANGE (Note 4)	100 ~ 240VAC 141 ~ 340VDC			
	FREQUENCY RANGE (Note 4)	50 ~ 60Hz			
	EFFICIENCY (Typ.)	86%	87%	89%	
	POWER FACTOR (Typ.)	0.95/230VAC 0.98/115VA	C at full load		
	AC CURRENT (Typ.)	6.8A/115VAC 3.4A/230VAC			
	INRUSH CURRENT (Typ.)	25A/115VAC 50A/230VAC			
	LEAKAGE CURRENT	<3.5mA/240VAC			
	OVER VOLTAGE	16 ~ 18V	32 ~ 35V	64.5 ~ 69.5V	
PROTE-	OVER VOLIAGE	Protection type : Shut down of	p voltage, re-power o	n to recover	
CTION	OVER TEMPERATURE	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down			
	REMOTE CONTROL	Open: Normal work Short: Stop Charging			
	LEAKAGE CURRENT FROM BATTERY (Typ.)	1mA			
	FAST CHARGE	2 / 8 stage selectable			
FUNCTION	CHARGER OK	Relay contacts (RY15)			
	OUTPUT OK	Relay contacts (RY13)			
	TEMPERATURE SENSE (OPTIONAL)	ByNTC			
	WORKING TEMP.	-20~+60°C (Refer to output load derating curve)			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
ENVIRO- NMENT	STORAGE TEMP., HUMIDITY	-40~+85°C, 10~95% RH			
NNENI	TEMP, COEFFICIENT	±0.05%/C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cvcle. 60min. each along X. Y. Z axes			
	SAFETY STANDARDS	UL1012. TUV EN60335-1. EN60335-2-29 (except for 48V) approved			
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC			
SAFETY &	ISOLATION RESISTANCE	I/P-O/P. I/P-FG. O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
EMC (Note 2)	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22)			
······	HARMONIC CURRENT	Compliance to EN61000-3-2,-3			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024; light industry level, criteria A			
	MTBF	135.6Khrs min. MIL-HDBK-217F (25'C)			
OTHERS	DIMENSION	230*158*67mm(L*W*H)			
	PACKING	2.2Kg; 6pcs/14.2Kg/1.76CUF	T		
NOTE	MCXNM [2:30,6; dpcs1/2:43,6; 17:50U/T A parameters NOT specially metroload are measured 2:30V/C to put, nated load and 25° C of ambient temperature. The power specify is considered a component which will be nativated into a final department. The final department must be ne- trained to the power specific and the power specific and the power specific and the specific and the power specific and the specific and the power specific and the specif				

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1. The charger should be turned OFF prior to battery connection. Suitable wire gauge should be chosen based on rated charging current of the PB-1000 unit. Double check battery polarity before making the battery connection. Positive terminal of the charger must be connected to "+" of the battery and negative terminal to "-" of the battery. Also, make sure the positive and negative terminals of the charger are not accidentally shorted together.

2.After connecting the output cables, flick the ON/OFF (0/-) switch to the ON (-) position. The indicator light on the switch will turn ON. Notes on Operation

1. Designed for charging lead acid battery.

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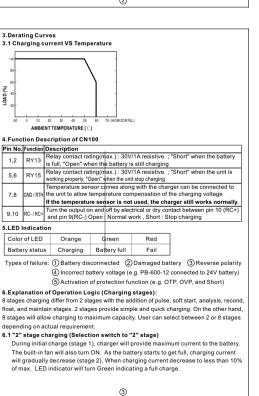
2.Must be installed in a dry and well ventilated area. It should not be exposed to rain or snow 3. The cables between charger and battery should be kept as short as possible to prevent

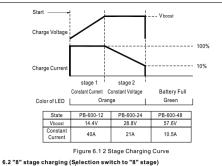
excessive line drop. Too much line drop will lead to longer charging period.

4.Please make sure charging voltage and current meets battery specification. 5.Refrain from connecting new and old batteries in series.

6.PB-1000 should be in the OFF mode before making battery connection or disconnection. 7. Three years warranty is provided under normal operating conditions. Failure resulting from improper operation will result in cancellation of warranty.

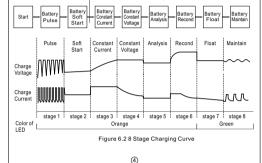


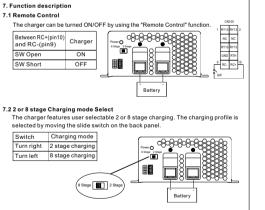




Advantage of pulse stage: Use pulse current to revive aged battery Advantage of recond stage: Allow full charge of battery.

Advantage of Float and Maintain stage: After LED turns green, maintenance charge is provided so the battery is always in a full state. User will have access to a full battery whenever it is disconnected from the charger

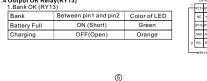




7.3 Charger OK Relay(RY15)

Charger Between pin5 and pin6 Normal work ON (Short) Failure or the protection function OFF(Open) is activating

## 7.4 Output OK Relay(RY13)



7.5 Temperature Compensation Temperature sensor comes along with the charger can be connected to the unit to allow temperature compensation of the charging voltage. If the temperature sensor is not used, the charger still works normally wer O The temperature sensor can either he attached to the C battery or placed 5 in its surrounding Patton environment. NTC 8.Wiring for battery Select suitable wire gauge based on rated charging current. Refer to the following table for minimum wire gauge. We highly recommend using RED wire for + connection and BLACK wire for - connection Max. Current(A) AWG CROSS SECTION(mm<sup>2</sup>) UL1015(600V 105°C) 14 2 1 12 12 3.3 22 10 5.3 35 10 46 16 60 6 25 80 9.Suggested battery capacity

Model	Battery capacity
PB-600-12	135-400AH
PB-600-24	70-210AH
PB-600-48	35-105AH

Note:1. Using battery capacity larger than the suggested value will not lead to damage of battery. The only drawback is it may take longer to fully charge the battery.

2. If you're unsure about max allowable charging current of the battery, please refer to the battery's technical specification or consult its manufacturer

10.Suggested the number of cells

Model	Battery capacity	Number
PB-600-12	100AH	1~4
PB-600-24	80AH	1~3
PB-600-48	46AH	1~2
		6

## 11.Series and parallel connection of batteries 1 Ratteries in series 2 Batteries in narallel Voltage can be doubled when 2 batteries When 2 batteries are connected in parallel, are connected in series. However, the voltage remains the same and the capacity capacity (AH) will remain the same. (AH)doubles. For example, 2 x 12V 100AH For example, 2 x 12V 100AH batteries batteries connected in parallel = 12V 200AH connected in series = 24V 100AH Battery Rotter Rotter 12.Failure correction notes Possible Reasons Ways to Eliminate Status ON/OFF switch in the OFF position Switch to the ON position Reconnect using correct Battery reverse polarity Unable to polarity charge the Use battery with the Battery with higher voltage is connected correct voltage batterv Make sure input source Input AC voltage is too low is between 90~264VAC LED indicator Battery exceed lifespan or damaged Replace with a new battery does not turn Green after a Replace with suitable wire long charging Output cables are too thin gauge period If you are not able to clear the failure condition, please contact Mean Well or any of our distributors for repair service. WARNING : This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures Against recharging non-rechargeable batteries.

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