



■ Features :

- * 2/3/8 stage charging (Note 4)
- Universal AC input / Full range
- Built-in active PFC function PF>0.95
- Protection: Reverse polarity / Short circuit / Over voltage / Over temperature
- Charger for lead-acid batteries
- * 3 color LED loading indicator
- Built-in remote ON-OFF control
- * Built-in temperature compensation function
- * Built-in fan speed control (depends on charging current)
- 3 years warranty

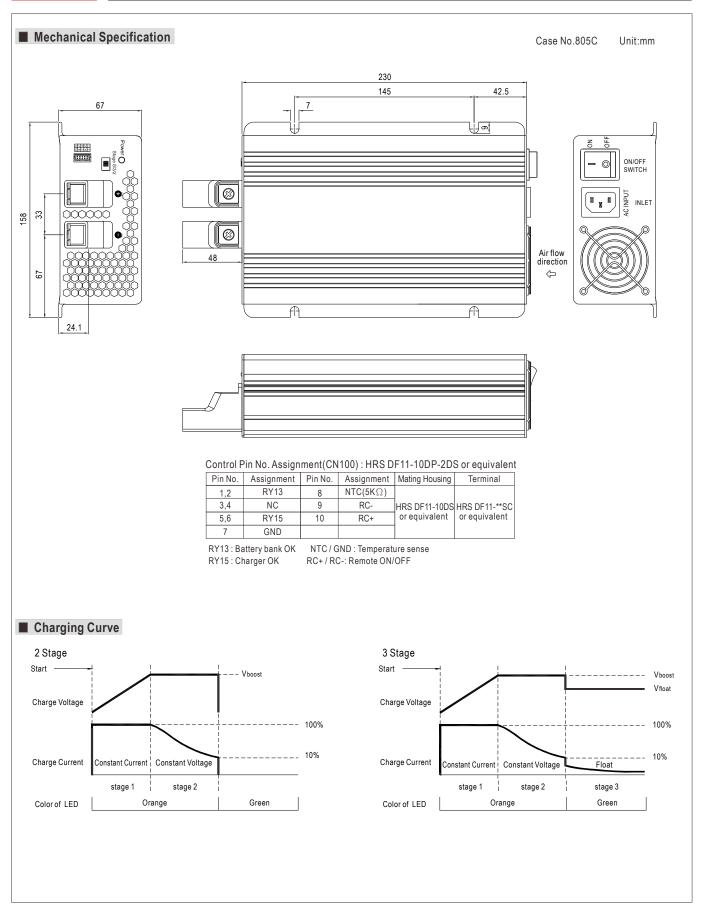




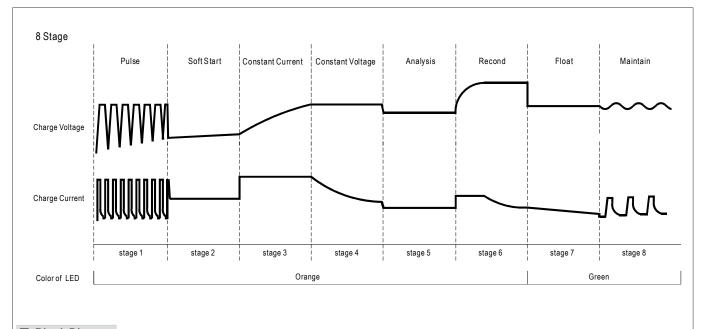


SPECIFIC	ATION			TFC TAS TAY RPROTE	
MODEL		PB-600-12	PB-600-24	PB-600-48	
ОИТРИТ	BOOST CHARGE VOLTAGE	14.4V	28.8V	57.6V	
	FLOAT CHARGE VOLTAGE	13.8V	27.6V	55.2V	
	RECOMMENDED BATTERY	135 ~ 400AH	70 ~ 210AH	35 ~ 105AH	
	CAPACITY(AMP HOURS)(Note 3)	100 400AH	70 ZIVAII		
	BATTERY TYPE	Open & Sealed Lead Acid			
	OUTPUT CURRENT	40A	21A	10.5A	
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	0.95/230VAC 0.98/115VAC at full load			
NPUT	EFFICIENCY (Typ.)	86%	87%	89%	
	AC CURRENT (Typ.)	6.8A/115VAC 3.4A/230VAC			
	INRUSH CURRENT (Typ.)	25A/115VAC 50A/230VAC			
	LEAKAGE CURRENT	<3.5mA / 240VAC			
	OVERVOLTAGE	16 ~ 18V	32 ~ 35V	64.5 ~ 69.5V	
ROTECTION	OVER VOLTAGE	Protection type: Shut down o/p voltage, r	e-power on to recover		
	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.)				
UNCTION	FAST CHARGE	2/3/8 stage selectable			
UNCTION	CHARGER OK	Relay contact (RY15)			
	OUTPUT OK	Relay contact (RY13)			
	TEMPERATURE SENSE	By NTC			
	WORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
ENVIRONMENT	STORAGE TEMP., HUMIDITY				
	TEMP. COEFFICIENT	±0.05%°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	UL1012, TUV EN60335-1, EN60335-2-29	9 (except for 48V), EN60950-1(48V only)	approved	
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-I	FG:0.5KVAC		
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50			
Note 2)	EMC EMISSION	Compliance to EN55022 class B (CISPR22), EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024; light industry level, criteria A			
	MTBF	135.6K hrs min. MIL-HDBK-217F (25°C)			
OTHERS	DIMENSION	230*158*67mm(L*W*H)			
O I I I I I I	PACKING	2.2Kg; 6pcs/14.2Kg/1.76CUFT			
NOTE	All parameters NOT specia The power supply is consided EMC directives. This is Mean Well's suggestances.	I parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 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			



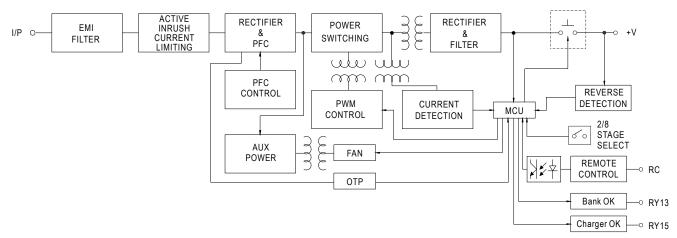


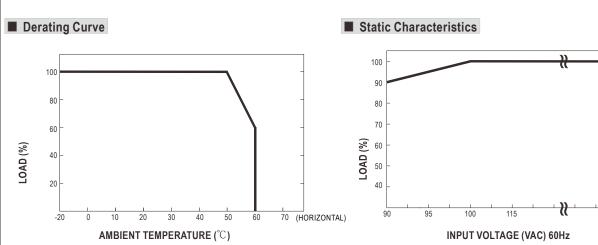




■ Block Diagram

PFC: 95KHz PWM fosc: 60KHz







■ Function Description of CN100

Pin No.	Function	Description
1,2	RY13	Relay contact rating(max.): 30V/1A resistive.; "Short" when the battery is full, "Open" when the battery is still charging
5,6	RY15	Relay contact rating(max.): 30V/1A resistive.; "Short" when the unit is working normally; "Open" when the unit is in a faulty condition
7,8	GND / RTH	temperature compensation of the charging voltage
9,10	RC-/RC+	Turn the output on and off by electrical or dry contact between pin 10 (RC+) and pin 9(RC-) Open: Normal work, Short: Stop charging

■ The Function of LEDs

Color	Steady	Flashing
Red	Fail	
Orange		Charging
Green	Full	Charging

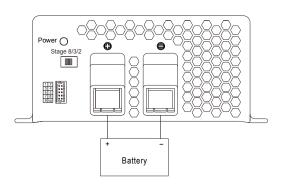
■ Function Manual

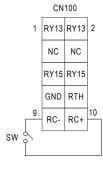
1.Remote Control

The charger can be turned ON/OFF by using the

"Remote Control" function.

Between RC+(pin10) and RC-(pin9)	Charging
SW Open	ON
SW Short	OFF



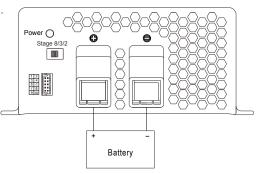


2. 2,3, or 8 stage charging select

(1) The charger features user selectable 2,3, or 8 stage charging. The charging profile is selected by moving the slide switch on the back panel.

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Switch	Charging mode	
Right	2 stage charging	
Middle	3 stage charging	
Left	8 stage charging	

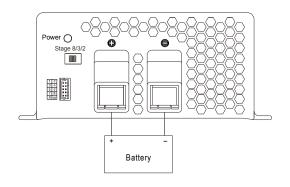
(2)Please choose the "3 stage" selection when the charger is used to charge the batteries and power the loads in the same time.

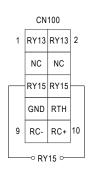


CN100			
1	RY13	RY13	2
	NC	NC	
	RY15	RY15	
	GND	RTH	
9	RC-	RC+	10

3.Charger OK Relay(RY15)

Charger	Between pin5 and pin6(RY15)
Work normally	ON (Short)
Failure or protection function activated	OFF (Open)



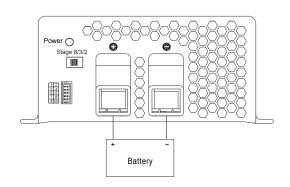


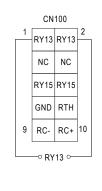


4.Output OK (RY13)

1.Bank OK (RY13)

Bank	Between pin1 and pin2(RY13)	Color of LED
Battery Full	ON (Short)	Green
Charging	OFF (Open)	Orange

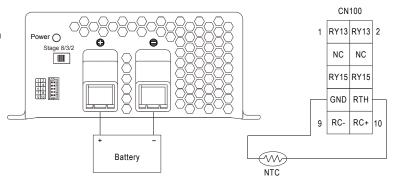




5. Temperature compensation

Temperature sensor comes along with the charger can be connected to the unit to allow temperature compensation of the charging voltage.

If the sensor is not used, the charger still works normally.



The temperature sensor can either be attached to the battery or placed in its surrounding environment.