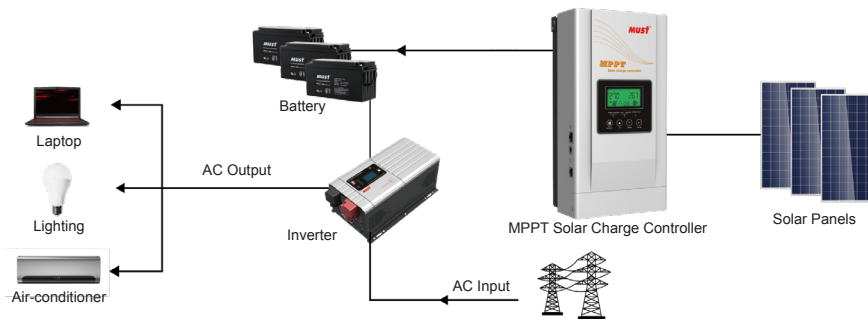




PC1800A Series (60A/80A)

Features

- LCD display , easy to operate on LCD screen
- Multi stage charging (3-stage charging , parallel charging and equalized charging function)
- BTS - Battery remote temperature sensor terminal
- Enable to charge Li-thium, Gel , lead-acid battery
- With RS485 & USB communication port
- Protection: PV array short circuit, PV reverse polarity, Battery reverse polarity, Over charging, Output short circuit



Selection Guide

MODEL		PC18-6015A		PC18-8015A	
Nominal Battery System Voltage		12V/24V/48VDC (Auto detection); 36V (Setting)			
ELECTRICAL SPECIFICATIONS	Battery Voltage	12V	24V	36V	48V
	Maximum Battery Current	60Amps		80Amps	
	Battery Voltage				
	PV Array MPPT Voltage Range	15~95V	30~130V	45~130V	60~130V
	Maximum Input Power	12 Volt-940W 24 Volt-1880W 36 Volt-2820W 48 Volt-3760W		12 Volt-1250W 24 Volt-2500W 36 Volt-3750W 48 Volt-5000W	
	Protections	Solar high voltage disconnect Solar high voltage reconnect Battery high voltage disconnect Battery high voltage reconnect High temperature disconnect High temperature reconnect			
BATTERY CHARGING	Charging Algorithm	3-Step or 4-Step (Li)			
	Temperature Compensation Coefficient	-5mV / °C / cell (25°C ref.)			
	Temperature Compensation Set Points	Absorption, Float			
	Charging Set Points	Absorption Stage		Float Stage	
	Flooded Battery	14.2V/28.4V/42.6V/56.8V		13.7V/27.4V/41.1V/54.8V	
	AGM / GEL / LEAD Battery (Default)	14.4V/28.8V/43.2V/57.6V		13.7V/27.4V/41.1V/54.8V	
	Over-charging Voltage	15.5V/30.0V/45.0V/60.0V			
	Over-charging Comeback Voltage	14.5V/29.5V/44.5V/59.0V			
Battery Defect Voltage	10.0V/17.0V/25.5V/34.0V				
MECHANICAL AND ENVIRONMENT	Product Size (W*H*D)(mm)	315*160*135			
	Product Weight (kg)	4.7kg			
	Ambient Temperature Range	-10°C to 55°C			
	Storage Temperature	-40°C to 75°C			
	Humidity	0%~90% RH (No condensing)			
	Enclosure	IP20			