

MPPT CONTROLLERS



PCM60X

ELECTRICAL SPECIFICATIONS

Max PV Input Voltage	145VDC (Open Circuit)		
System Voltage	12V	24V	48V
MPPT Range	15 ~ 115VDC	30 ~ 115VDC	60 ~ 115VDC
Max PV Input Power	800W	1600W	3200W
Max Input Current	50A		
Recommended Battery Type	Flooded, GEL, or AGM Lead Acid		
Max Charging Current	60A		
Charging Schemes	3-step, Bulk, Absorption, Float		
Flooded Absorb/Float	14.6V, 13.5V	29.2V, 27V	58.4V, 54V
AGM, Gel Absorb/Float	14.1V, 13.5V	28.2V, 27V	56.4V, 54V
Max Equalization Charge	15.5V	31V	62V
Battery Temp. Compensation	-5.0mV/°C/cell (25°C reference)		
BTC range	25—50°C		
Protections	Overinput current, high temperature disconnect/reconnect, high PV & high/low battery voltage disconnect/reconnect		
LED Indicator	3, Power ON/Charging, Fault/Warning, Wiring Fault		

GENERAL SPECIFICATIONS

Certification / EMC	CE
Ambient / Storage Temp.	0°C—50°C / -30°C—70°C
Enclosure Type	Indoor, IP31
Working Humidity	0-90%RH Max Non-Condensing
Dimension	315*165*128mm
Weight	4.5kg

*Product specifications are subject to change without prior notice. MPP Solar is a registered trademark of MPP Solar

KEY FEATURES

- Maximum Power Point Tracking (MPPT)
- Max 60amp output
- Compatible with 12, 24 or 48V systems.
- 3-stage charging scheme
- Max equalization charge up to 62V
- Supports programmable charging voltages
- Built-in COM port for bundled monitoring software (MPPTTracker®)
- Support wide range of lead-acid batteries including flooded, AGM, and gel batteries.
- Max PV array support up to 3.2kw (for 48V only).
- Maximum efficiency up to 98%
- System protections include: over input current or power, high temperature protection, battery HVD/HVR/LVD/LVR
- Built-in BVS (battery voltage sensing)

Optional accessories:

- BTS wire
 - SNMP web box
- can be ordered separately