

Mppt Solar Charge Controllers ALKA60M



PCM60X

ELECTRICAL SPECIFICATIONS			
MPPT Range @ System Voltage	15 ~ 115VDC	30 ~ 115VDC	60 ~ 115VDC
Max PV Input Voltage	145VDC (Open Circuit)		
System Voltage	12V	24V	48V
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	15V	30V	60V
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		

KEY FEATURES

- Maximum Power Point Tracking (MPPT)
- Max 60amp output
- Compatible with 12, 24 or 48V systems.
- 3-stage charging scheme
- Max equalization charge 60V
- 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

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



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