

MPPT CONTROLLERS



ARM60X

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
Battery Temp. Compensation	-5.0mV/°C/cell (25°C reference)		
BTC range	0°C—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) capability increases performance by 25~30%.
- Max 60amp output
- Compatible with 12, 24 or 48V systems.
- 3-stage charging scheme
- Supports programmable charging voltages (Available NOW!)
- 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: overinput current or power, high temperature protection, battery HVD/HVR/LVD/LVR
- Built-in BVS (battery voltage sensing)
- Built-in BTS (battery temp compensation), wire sold separately
- Built-in COM port reserved for monitoring software (under development, coming soon)

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