

SOLAR CONTROLLER

MG SERIES








MPPT MG SERIES

40A-60A

FEATURES



-  Can support WIFI
-  12/24/36/48V adaptive
-  Three-stage smart charging
-  Adjustable parameters by pressing buttons
-  It can connect Lead acid battery/lithium battery /waterbattery

APPLICATION



Shipping/fishing



woodland



Construction/housing



Desert

MG SERIES

PARAMETERS

Model	MG40415	MG60415	
System Voltage	12/24VDC (Adaptive)	12/24/36/48VDC (Adaptive)	
Operating Voltage Range Of Controller	9~32V	10~64V	
Lead Acid Batteries Type	Maintenance-free (default) lead Acid Battery, Gel Battery, Open Lead Acid Battery, Custom		
Lithium Battery Type	Lithium Iron Phosphate/lithium Ternary/custom		
Nominal Current	40A	60A	
Solar panel rated input power	400W/12V	800W/12V	
	800W/24V	1200W/24V	
	/	2400W/36V	
	/	3200W/48V	
Pv Input Maximum Open Circuit Voltage (voc)	100VDC	150VDC	
Maximum power point operating voltage range	12V	18~100VDC	18~150VDC
	24V	36~100VDC	36~150VDC
	36V	/	50~150VDC
	48V	/	64~150VDC
Tracking Efficiency	≥99.9%	≥99.9%	
Maximum conversion efficiency	85%~98%		
Temperature compensation coefficient	-3mv/~12V		
Static Loss	200mA/12V;100mA/24V;50mA/48V;		
DC Load Output Voltage	Same as Battery Voltage		
Rated Output Current Of DC Load	20A		
DC Load Output Control Mode	Normally open or normally closed mode		
Protections	PV input anti reverse connection protection, Battery input reverse connection protection, Battery overcharge protection, Battery undervoltage protection, Battery over temperature protection and Machine over temperature protection		
IP Level	IP32		
Heat Dissipation Mode	Air cooling		
Communication	RS485/RS232		
Lcd Backlight Time	The default is 60s, and the back light mode can be set		
Working Temperature	-20°C~+50°C		
Storage Temperature	-30°C ~ +70°C		
Recommended Cable	11AWG/4mm ²	7AWG/10mm ²	
N.W	1.4kg	1.45kg	