POWER OF SUN ALWAYS FOR YOU

SOLAR CHARGE CONTROL REGULATOR
MPPT Range



40A 60A 80A 100A

Technical Specification:

PARAMETER		VALUE			
Rated Charge Current		40A	60A	80A	100A
Rated System Voltage		12V/24V or 12V/24V/36V/48V Auto detection			
Maximum Input Voltage of Solar Panel (PV)		<100V (12V/24V) <150V (12V/24V/36V/48V)	12V	<150V	
			24V	<175V	
			36V	<200V	
			48V	<250V	
Maximum Input Power	12V	520W	780W	1040W	1300W
	24V	1040W	1560W	2080W	2600W
	36V	1560W	2340W	3120W	3900W
	48V	2080W	3120W	4160W	5200W
Battery Type		User Default, Sealed, Flooded, GEL, LiFePO4, Li (NiCoMn)O2.			
Maximum Battery Voltage		9 - 64V			
Float Charging Voltage		13.8V	27.6V	41.4V	55.2V
Protection Class		IP30			
Temperature Compensation Coefficient		-4mV/°C/2V(25°C)			
Grounded Type		Positive Grounded			
Operating Temperature		-10 ~ +50°C			
MPPT Tracking Efficiency		99.5%			
Performance & Maximum Convergent Efficiency		≤ 97%			
LCD Design		Dynamic display of the operation data and working status of the equipment.			
Load Control Modes		Normal, Light Control, Light & Time Control, Timing Control, Reverse Light Control			
Usage		Communication base station, home power supply system, traffic light, solar street lamp, courtyard lamp system, etc.			
Connectivity RS485		NA	Yes	Yes	Yes
NOTE: Above parameters are taken for a 12V system at 25°C, 24V system x 2; 36V system x 3; 48V system x 4;					

LCD Smart Display | Button Mode | Cooling Fan | 100% Reliable | SOC Protection | Adjustable Parameters

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Green Horizons