

MPPT SERIES

Wonder2 SOLAR CHARGE CONTROLLER

10A-100A



Max PV Power Tracking



Smart battery management



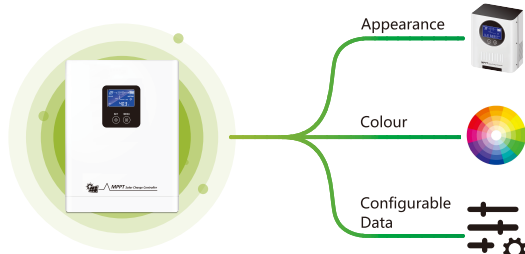
Full protection



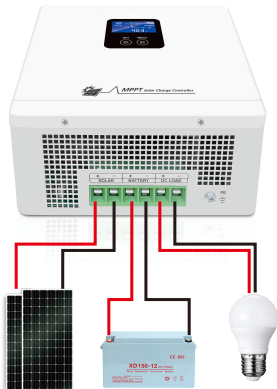
Features

- Advanced MPPT tracking algorithm, with tracking efficiency up to 99%.
- LCD graphic display of photovoltaic power generation data and simulation of power generation process.
- Multiple load working modes can be set to adapt to different working occasions.
- Ultra wide photovoltaic input voltage range, more convenient system configuration.
- It supports a variety of lead-acid batteries and lithium batteries, and users can customize the charging and discharging parameters; Users are more flexible and convenient to use.
- Lithium battery activation function.
- Full range of electronic protection functions: battery anti reverse connection, PV anti reverse connection, charging over-current, DC output over-current, over temperature, over-voltage and undervoltageprotection.
- Intelligent battery management function, extending battery life.
- RS485 communication interface (Mod Bus protocol) and mobile phone APP are convenient for users to integrate and manage.

OEM/ODM



Product Display



MPPT Solar Charge Controller 10A-100A

Technical Parameters

Model: Wonder2	10124, 20124, 30124	1048, 2048, 3048	40124, 50124, 60124	4048, 5048, 6048	80124, 100124	8048, 10048
Current/Voltage						
Rated Current	10A/20A/30A		40A/50A/60A		80A/100A	
Rated System Voltage	12V/24V	48V	12V/24V	48V	12V/24V	48V
PV Input						
Max PV Input Voltage (Voc) (At The Lowest Temperature)	120V	180V	120V	180V	120V	180V
MPPT Tracking Voltage Range	12V system(15V-80V) ; 24V system(30V-100V) ; 48V system(60V-140V)					
PV array Max power	12V system: 140W(10A)/280W(20A)/420W(30A)/560W(40A)/700W(50A)/840W(60A)/1120W(80A)/1400W(100A) ; 24V system: 280W(10A)/560W(20A)/840W(30A)/1120W(40A)/1400W(50A)/1680W(60A)/2240W(80A)/2800W(100A) ; 48V system: 560W(10A)/1120W(20A)/1680W(30A)/2240W(40A)/2800W(50A)/3360W(60A)/4480W(80A)/5600W(100A)					
Battery						
Battery Type	Lead acid battery/Lithium battery (Battery type base on user charge specification)					
Floating Charge Voltage	13.8V/Single battery (Lead acid battery)					
Equalized Charge Voltage	14.2V/Single battery (Lead acid battery)					
Charging Protection Voltage	15V/Single battery (Lead acid battery)					
Protection	Over-voltage/under-voltage/over-temperature/PV&Battery anti-reverse/DC output overcurrent protection etc.					
Communication	RS485/APP (WIFI or GPRS monitoring)					
Activate Lithium Battery Function	Lithium battery can be activated automatically					
Other						
MPPT Tracking Efficiency	> 99%					
Display	LCD					
Protection Degree	IP20					
Cooling Method	Cooling fan in intelligent control					
Operating Temperature	-15℃~50℃					
Elevation	2000m(more than derating)					
Relative Humidity	5~95%(No condensation)					
Dimensions and Weight						
Machine Size(L*W*Hmm)	214*155*72.8		238*180*82		315*210*106.5	
Package Size(L*W*Hmm)	243*184*115(1pc) 497*379*247(8pcs)		267*209*124(1pc) 639*278*265(6pcs)		344*239*149(1pc) 489*355*315(4pcs)	
N.W.(kg)	1.6		2.4		4.2	
G.W.(kg)	1.8		2.7		4.6	

Note: 1. Specifications are subject to change without prior notice;
2. Special voltage and power requirements can be customized according to the actual situation of users.