

# MPPT SERIES

## Wonder3 SOLAR CHARGE CONTROLLER

### 80A-100A



Max PV Power  
Tracking



Smart battery  
management



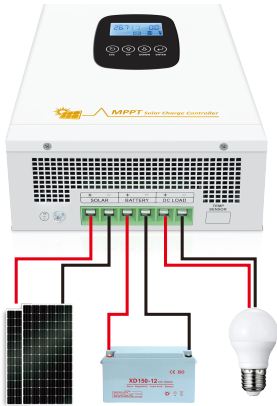
Full protection



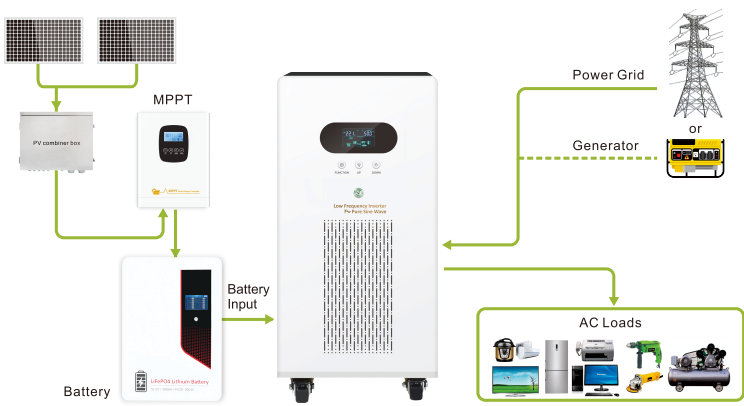
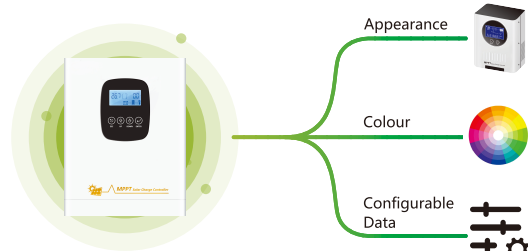
### Features

- 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.

### Product Display



### OEM/ODM



### MPPT Solar Charge Controller 80A-100A

#### Technical Parameters

Model: Wonder3	8048	10048
Current/Voltage		
Rated Current	80A	100A
Rated System Voltage	36V/48V	
PV Input		
Max PV Input Voltage (Voc) (At The Lowest Temperature)	300V	
MPPT Tracking Voltage Range	36V system: 45V-250V;48V system: 60V-250V	
PV array Max power	36V system: 3360W(80A)/4200W(100A); 48V system: 4480W(80A)/5600W(100A)	
MPPT Tracking Channels	1	
PV Input Routed	1	
Battery		
Type	Lead acid battery/Lithium battery/Custom battery	
Floating Voltage	13.8V/single(Lead acid battery)	
Charge Voltage	14.2V/single(Lead acid battery)	
Charging Protection Voltage	15.5V/single(Lead acid battery)	
Protection	Over voltage/under voltage/over temperature/photovoltaic anti reverse connection/ battery anti reverse connection/DC output over current protection, etc	
Communication	RS485/APP(WIFI monitoring or GPRS monitoring)	
Activate Lithium Battery Function	Can automatically activate lithium batteries	
Other		
MPPT Efficiency	>99%	
Display	LCD	
Type Of Mechanical Protection	IP20	
Thermal Method	Cooling fan in intelligent control	
Operating Temperature	-15℃~+50℃	
Elevation	2000m(more than derating)	
Humidity	5%-95% (No condensation)	
Dimensions and Weight		
Machine Size(L*W*Hmm)	265*200*107	
Package Size(L*W*Hmm)	310*245*159(1pc) / 505*320*340(4pc)	
N.W.(kg)	3.5(1pc)	
G.W.(kg)	4(1pc)	

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.