

MPPT Solar charge controller



1. Design for off-grid solar power system.
2. Applicable to different kinds of batteries.
3. Adopts MPPT technology (Maximum Power Point Tracking). The advanced tracking algorithm make the solar module operate at ideal voltage which the solar modules can produce the maximum available power.
4. Modular design with simple structure and easy maintenance.
5. Automatic power control function.
6. LCD display: Solar panel current, solar panel voltage, solar panel power, battery group voltage, charge current.
7. Perfect protection function: Solar reverse charge protection, Solar reverse connection protection, Battery reverse connection protection, Battery overcharge protection, Battery over current protection etc, thus the system has higher reliability.



120V 30A-50A-60A (U Type)



120V 30A-50A-60A-80A-100A-150A (Wall Mounted)



120V 200A

MPPT Solar Charge Controller 120V 30A-50A-60A-80A Data Sheet

| Model | 120V30A | 120V50A | 120V60A | 120V80A |
|--|--|-----------|-----------|-----------|
| Battery group rated voltage | 120Vdc | 120Vdc | 120Vdc | 120Vdc |
| PV open circuit voltage | 500V | 500V | 500V | 500V |
| PV Rated current | 30A | 50A | 60A | 80A |
| PV Max. power | 3600Wp | 6000Wp | 7200Wp | 9600Wp |
| Max PV Array Vmp | 180Vdc | | | |
| MPPT input DC voltage range(Vdc) | 80-150Vdc | | | |
| Input PV module road number | 1 | 1 | 1 | 1 |
| Function | MPPT auto stop charge, auto recharge voltage; Protection: connecting contrary, over current, short circuit, over heat etc. | | | |
| Display mode | LCD | | | |
| Display content | solar panel voltage, solar panel current, solar panel power, battery voltage, charge current | | | |
| Floating Charge Voltage (adjustable) | 138Vdc | 138Vdc | 138Vdc | 138Vdc |
| Stop charge voltage | 150Vdc±1% | 150Vdc±1% | 150Vdc±1% | 150Vdc±1% |
| Recharge voltage | 135Vdc±1% | 135Vdc±1% | 135Vdc±1% | 135Vdc±1% |
| Voltage drop between PV and battery | 1.5V | | | |
| Max itself power consumption | 100mA-150mA | | | |
| Work environment temperature | -30-60°C | | | |
| Relative humidity | < 90% No condensation | | | |
| Applicable altitude | < 3000m The rated power should be reduced when it is higher than 2000m | | | |
| Noise (1m) | < 40dB | | | |
| Degree of protection | IP20 (Indoor) | | | |
| Cooling method | Forced air cooling | | | |
| *Communication interface (optional) | RS485 | | | |
| *Temperature compensation(optional) | -4mv/°C/2V,-35°C~+80°C,Accuracy:±1°C | | | |
| Product size (mm) | 520*430*200 | | | |
| Weight | 12Kg | | | |

*Above parameter only for reference. Could be custom made to user specifications.

EXW Price for 120V 30A: **\$220**(U Type) **\$235**(Wall Mounted)

EXW Price for 120V 50A: **\$315**(U Type) **\$330**(Wall Mounted)

EXW Price for 120V 60A: **\$345**(U Type) **\$360**(Wall Mounted)

EXW Price for 120V 80A: **\$590**(Wall Mounted)

MPPT Solar Charge Controller 120V 100A-150A-200A Data Sheet

| Model | 120V100A | 120V150A | 120V200A |
|--|--|-----------|-----------|
| Battery group rated voltage | 120Vdc | 120Vdc | 120Vdc |
| PV open circuit voltage | 500V | 500V | 500V |
| PV Rated current | 100A | 150A | 200A |
| PV Max. power | 12KWp | 18KWp | 24KWp |
| Max. PV Array Vmp | 180Vdc | | |
| MPPT input DC voltage range(Vdc) | 80-150Vdc | | |
| Input PV module road number | 1/2 | 2 | 2 |
| Function | MPPT auto stop charge, auto recharge voltage; Protection: connecting contrary, over current, short circuit, over heat etc. | | |
| Display mode | LCD | | |
| Display content | solar panel voltage, solar panel current, solar panel power, battery voltage, charge current | | |
| Floating Charge Voltage (adjustable) | 138Vdc | 138Vdc | 138Vdc |
| Stop charge voltage | 150Vdc±1% | 150Vdc±1% | 150Vdc±1% |
| Recharge voltage | 135Vdc±1% | 135Vdc±1% | 135Vdc±1% |
| Voltage drop between PV and battery | 1.5V | | |
| Max itself power consumption | 100mA-150mA | | |
| Work environment temperature | -30-60°C | | |
| Relative humidity | < 90% No condensation | | |
| Applicable altitude | < 3000m The rated power should be reduced when it is higher than 2000m | | |
| Noise (1m) | < 40dB | | |
| Degree of protection | IP20 (Indoor) | | |
| Cooling method | Forced air cooling | | |
| *Communication interface (optional) | RS485 | | |
| *Temperature compensation(optional) | -4mv/°C/2V, -35°C~+80°C, Accuracy:±1°C | | |
| Product size (mm) | 520*430*200 | | |
| Weight | 12Kg | | |

*Above parameter only for reference. Could be custom made to user specifications.

EXW Price for 120V 100A: \$625(Wall-mounted)

EXW Price for 120V 150A: \$1015

EXW Price for 120V 200A: \$1250



Contact

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