

Controlador Solar MPPT Multivoltaje Automático con Display

MPPT series(12V\24V\36V\48V Auto 20A\30A\40A\50A\60A)



Features

- ◆ It has an efficient MPPT algorithm, MPPT efficiency $\geq 99.5\%$, and converter efficiency up to 98%.
- ◆ Charge mode: three stages (constant current, constant voltage, floating charge), it prolongs service life of the batteries.
- ◆ Four types of load mode selection: ON/OFF, PV voltage control, Dual Time control, PV+Time control .
- ◆ Battery system voltage automatic recognition.
- ◆ Three kinds of commonly used lead-acid battery (Seal\Gel\Flooded) parameter settings can be selected by the user, and the user can also customize the parameters for other battery charging.
- ◆ It has a current limiting charging function. When the power of PV is too large, the controller automatically keeps the charging power, and the charging current will not exceed the rated value.
- ◆ High definition LCD display function to check the device running data and working status, also can support modify the controller display parameter.
- ◆ RS485 communication, we can offer communication protocol to convenient user's integrated management and secondary development.
- ◆ Support PC software monitoring and WiFi module to realize APP cloud monitoring.
- ◆ CE, RoHS, FCC certifications approved, we can assist clients to pass various certifications.
- ◆ 3 years warranty, and 3~10 years extended warranty service also can be provided.

Parameter

| MPPT series | | CSM-20-MVD | CSM-30-MVD | CSM-40-MVD | CSM-50-MVD | CSM-60-MVD | |
|------------------------------------|---|---|------------|------------|-------------------|------------|-------|
| Product category | Controller Properties | MPPT (maximum power point tracking) | | | | | |
| | MPPT efficiency | ≥99.5% | | | | | |
| | Standby power | 0.5W~1.2W | | | | | |
| | System voltage | Automatic recognition | | | | | |
| | Heat-dissipating method | Intelligent fan cooling | | | | | |
| Input Characteristics | Max.PV input voltage(VOC) | DC150V | | | | | |
| | Start the charge voltage point | Battery voltage + 3V | | | | | |
| | Low input voltage protection point | Battery voltage + 2V | | | | | |
| | Over voltage protection point | DC150V | | | | | |
| | Rated PV power | 12V system | 260W | 390W | 520W | 650W | 780W |
| | | 24V system | 520W | 780W | 1040W | 1300W | 1560W |
| | | 36V system | 780W | 1170W | 1560W | 1950W | 2340W |
| 48V system | | 1040W | 1560W | 2080W | 2600W | 3120W | |
| Charge Characteristics | Selectable Battery Types (Default Gel battery) | Sealed lead acid, Gel battery, Flooded (Other types of the batteries also can be defined) | | | | | |
| | Charge rated current | 20A | 30A | 40A | 50A | 60A | |
| | Charge Method | 3-Stage: constant current(fast charging)-constant voltage-floating charge | | | | | |
| LOAD Characteristics | Load voltage | The same as the battery voltage | | | | | |
| | Load rated current | 40A | | | 60A | | |
| | Load control mode | On\Off mode, PV voltage control mode, Dual-time control mode, PV + Time control mode | | | | | |
| Display & Communication | Display mode | High-definition LCD segment code backlight display | | | | | |
| | Communication mode | 8-pin RJ45 port/RS485/support PC software monitoring/ support WiFi module to realize APP cloud monitoring | | | | | |
| Other Parameters | Protect function | Input-output over \ under voltage protection, Prevention of connection reverse protection,battery shedding protection etc. | | | | | |
| | Operation Temperature | -20 ~+50 | | | | | |
| | Storage Temperature | -40 ~+75 | | | | | |
| | IP(Ingress protection) | IP21 | | | | | |
| | Max. connection size | 20mm ² | | | 30mm ² | | |
| | Net Weight (kg) | 2.3 | | | 2.6 | | |
| | Gross Weight (kg) | 3 | | | 3.5 | | |
| | Product Size (mm) | 240*168*66 | | | 270*180*85 | | |
| | Packing Size(mm) | 289*204*101 | | | 324*223*135 | | |