



## MP Series MPPT Solar Controller 20~120amp Available

### Intelligent Control

- Three charging stage to protect your battery.
- RS485 communicational portal, for phone app remote control.

### High efficiency

- MPPT efficiency more than 99%

### Battery Type

- Sealed Lead Acid battery (SLA)
- Absorbent Glass Mat Battery (AGM)
- Water battery
- Lithium battery (Li-ion)

| Model                    | MP-20 | MP-30 | MP-40 | MP-50 | MP-60 | MP-80A | MP-100 | MP-120 |
|--------------------------|-------|-------|-------|-------|-------|--------|--------|--------|
| Rated Current            | 20A   | 30A   | 40A   | 50A   | 60A   | 80A    | 100A   | 120A   |
| Maximum Charging Current | 22A   | 32A   | 42A   | 52A   | 62A   | 82A    | 102A   | 122A   |

#### Mppts Range Operating Voltage

|       |               |  |  |  |               |  |  |  |
|-------|---------------|--|--|--|---------------|--|--|--|
| 12VDC | 18VDC~80VDC   |  |  |  |               |  |  |  |
| 24VDC | 30VDC~100VDC  |  |  |  |               |  |  |  |
| 36VDC | 40VDC~100VDC  |  |  |  |               |  |  |  |
| 48VDC | 60VDC~150VDC  |  |  |  |               |  |  |  |
| 96VDC | Not Available |  |  |  | 120VDC~200VDC |  |  |  |

#### Maximum Pv Array Power

|       |               |       |       |       |       |       |        |        |
|-------|---------------|-------|-------|-------|-------|-------|--------|--------|
| 12VDC | 280W          | 420W  | 570W  | 700W  | 900W  | 1140W | 1400W  | 1800W  |
| 24VDC | 550W          | 840W  | 1130W | 1400W | 1700W | 2260W | 2800W  | 3400W  |
| 36VDC | 840W          | 1260W | 1710W | 2100W | 2700W | 3420W | 4200W  | 5400W  |
| 48VDC | 1100W         | 1650W | 2270W | 2800W | 3400W | 4540W | 5600W  | 6800W  |
| 96VDC | Not Available |       |       |       | 7200W | 9120W | 11200W | 14400W |

#### Battery

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| Supportable Battery Type | Gel/SLA/AGM/Water/Lithium(lifepo4) battery                               |
| Charging Mode            | Three Stages: Constant Current(mppt), equalizing Charge, Floating Charge |
| Maximum Efficiency       | ≥99%                                                                     |

#### Communication Portal

|               |                                                         |
|---------------|---------------------------------------------------------|
| Communication | RS485, available for wifi box & external control screen |
|---------------|---------------------------------------------------------|

#### Physical

|                      |             |             |             |
|----------------------|-------------|-------------|-------------|
| Dimension, D*W*H(MM) | 315*235*150 | 360*260*190 | 440*410*200 |
| G.W.(KGS)            | 3.5KGS      | 4.5KGS      | 12KGS       |

\*Product Specifications Are Subject To Change Without Further Notice