

| MODEL                               | MA2430N15                                                                                         | MA2440N15             | MA2460N15                     | MA4830N15                                      | Can Be Set |   |
|-------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------|-------------------------------|------------------------------------------------|------------|---|
| PV INPUT                            |                                                                                                   |                       |                               |                                                |            |   |
| Max.Voltage of Open Circuit         | 150Vdc                                                                                            |                       |                               |                                                |            |   |
| MPPT Voltage Range                  | (Battery voltage+2V)~110Vdc                                                                       |                       |                               |                                                |            |   |
| Max.PV Input Power                  | 400W/12V<br>800W/24V                                                                              | 520W/12V<br>1040W/24V | 800W/12V<br>1600W/24V         | 400W/12V<br>800W/24V<br>1200W/36V<br>1600W/48V | ✓          |   |
| BATTERY                             |                                                                                                   |                       |                               |                                                |            |   |
| Battery Type                        | USE / FLD / GEL / LI / SLD(default)                                                               |                       |                               |                                                |            | ✓ |
| Rated Battery Voltage               | 12/24Vdc                                                                                          |                       |                               | 12/24/36/48Vdc                                 |            |   |
| Battery Voltage Range               | 8~32Vdc                                                                                           |                       |                               | 8~64Vdc                                        | ✓          |   |
| Rated Charging Current              | 30A                                                                                               | 40A                   | 60A                           | 30A                                            | ✓          |   |
| MPPT Charging Mode                  | Buck                                                                                              |                       |                               |                                                |            |   |
| LOAD                                |                                                                                                   |                       |                               |                                                |            |   |
| Load Type                           | Resistive load 、Capacitive load、 Inductive load                                                   |                       |                               |                                                |            |   |
| Rated Load Voltage                  | Equal to battery voltage 12V/24V/36V/48V                                                          |                       |                               |                                                |            |   |
| Rated Load Current                  | 30A                                                                                               | 40A                   | 40A                           | 30A                                            |            |   |
| Load Working Mode                   | Light control,Light control + Time control, manual control (default), Debugging mode, Normal open |                       |                               |                                                |            | ✓ |
| EFFICIENCY                          |                                                                                                   |                       |                               |                                                |            |   |
| MPPT Tracking Efficiency            | >99%                                                                                              |                       |                               |                                                |            |   |
| Max. Charging Conversion Efficiency | 85%~98%(Correspond load power10%~100%)                                                            |                       |                               |                                                |            |   |
| COMMUNICATION                       |                                                                                                   |                       |                               |                                                |            |   |
| TTL、RS485                           | TTL Baud rate 9600bps, RS485 port                                                                 |                       |                               |                                                |            | ✓ |
| CAN                                 | RV-C protocols                                                                                    |                       |                               |                                                |            |   |
| Bluetooth                           | Built-in Bluetooth                                                                                |                       |                               |                                                |            |   |
| GENERAL                             |                                                                                                   |                       |                               |                                                |            |   |
| Weight                              | 2.3kg(5.1lb)                                                                                      |                       | 3.4kg(7.5lb)                  | 3.6kg(7.9lb)                                   |            |   |
| Dimension                           | 260*216*83.2mm(10*8.5*3.27in)                                                                     |                       | 260*216*98.5mm(10*8.5*3.87in) |                                                |            |   |
| Protection Degree                   | IP32                                                                                              |                       |                               |                                                |            |   |
| Operating Temperature Range         | -35°C~65°C (-31°F~149°F)                                                                          |                       |                               |                                                |            |   |

## MA series

### Solar Charge Controller

MA2430N15/2440/2460/4830



#### For off-grid application

- Can be connected to both PV 、 battery and load
- Multiple load operating modes to meet diverse needs

#### User-Friendly

- Easy to install and simple to use
- Natural cooling, absolutely quiet

#### Safety

- Complete charge and discharge protection mechanism
- High quality components for stable operation

#### All-in-One

- Supports multiple battery types
- Highly integrated, helps you save space and wire

#### Efficient

- MPPT with up to 99.9% efficiency
- Support solar panel 2 in series/more in parallel

#### Intelligent

- Supports TTL RS485 and CAN (RV-C protocols)
- Supports Bluetooth with mobile APP

