

# Solar Charge Controller

The most important feature of this controller is intelligent tracking input voltage from solar panel. This ensures the solar panel is always working at Maximum Power Point of V-A curve.

This MPPT controller can increase charging efficiency efficiency from solar panel by up to 30%.

Available in 10A & 20A in 12V & 24V.

**Model: SLC-MPPT1012 / SLC-MPPT1024 / SLC-MPPT2012 / SLC-MPPT2024**

**MPPT** series



### Function:

- Maximum power point tracking
- Overcharge protection
- Over discharge protection
- Battery Reverse Current Protection
- Overloading Protection
- Short Circuit Protection
- Reverse Polarity Connection Protection
- Overfall Protection

### Technical Data

|                               | SLC-MPPT1024                      | SLC-MPPT2024          |
|-------------------------------|-----------------------------------|-----------------------|
| Solar panel input voltage     | ≤70V                              |                       |
| MPPT Voltage Range            | 12V~70V (12V)                     |                       |
|                               | 24V~70V (24V)                     |                       |
| Input Loads                   | 1 load                            |                       |
| Rated Voltage                 | 12V/24V                           |                       |
| Rated Charge Current          | 10A                               | 20A                   |
| Rated Discharge Current       | 10A                               | 20A                   |
| Self-consumption              | ≤15mA                             |                       |
| Charging Mode                 | 3-stage (Bulk/ Absorption/ Float) |                       |
| Over Voltage Protection       | 16V / 32V                         |                       |
| Float Voltage                 | 13.8V / 27.6V                     |                       |
| Absorbing Charging Voltage    | 14.4V / 28.8V                     |                       |
| Low Voltage Protection(LVD)   | 11.5V / 23.0V                     |                       |
| Low Voltage Reconnection(LVR) | 12.6V / 25.2V                     |                       |
| Temperature Compensation      | -4mV / Cell / °C                  |                       |
| The Highest Efficiency        | 97%                               |                       |
| Cooling Way                   | passive cooling                   |                       |
| Made of Connection            | port                              |                       |
| Operating Temperature         | -10°C~+50°C                       |                       |
| Storage Temperature           | -30°C~+80°C                       |                       |
| Humidity Requirements         | 0~90%, no condensation            |                       |
| Dimension(L x W x H)          | 188 x 92.5 x 55.3 mm              | 188 x 118.5 x 54.5 mm |
| Weight                        | 0.46Kg                            | 0.8Kg                 |