

# ER-30MSCC

## 30A MPPT Solar Charge Controller



- Flexible for 12/24V system
- Heatsink cooling
- Advanced MPPT technology 99%
- Three stage charging optimizes battery performance
- LCD+LED display
- Built-in DC Load output 30A
- Remote Battery Temperature sensor

### Specifications

Solar system voltage 12/24V

### Electrical:

PV operation voltage 17~100Vdc@12V  
34~100Vdc@24V

Max. PV open circuit voltage 100Vdc

Max. PV input power 12V 600W  
24V 1200W

Max. Charging current 30A

Max. DC load current 30A

Self consumption 3W

Conversion Efficiency 97,8%

### Battery Charging:

Battery type Sealed AGM Gel  
Flooded Lithium

Charging algorithm 3-stage: Bulk,  
Absorption, Float

Bulk charge voltage Sealed:14,4V | AGM  
Gel:14,2V  
Flooded:14,6V

Float charge voltage Custom:10-17V  
Sealed/Gel/AGM:13,7V  
Flooded:13,6V

Equalize charge voltage Custom:10-17V  
Sealed: 14,6V  
AGM:14,8V |  
Flooded:14,9V  
Custom:10-17V

Low voltage reconnect voltage 10,5V

Low voltage disconnect voltage 9V

Temperature compensation -5mV/°C / 2V

Physical:

Net weight 1,9KG

Gross weight 2,0KG

Dimension 170\*160\*80mm

Cooling Heatsink cooling

Enclosure Ip45

Environment:

Ambient operation temperature -25°C~60°C

Humidity 100% non-condensing

Warranty Two Years