



MPPT SOLAR CHARGE CONTROLLER 80A SCC 200V

Safety

- Over Charging & Discharging Protection
- Overload Protection, Short Circuit Protection
- Battery Over-Voltage Protection
- Temperature Compensation
- Over Temperature Protection, Thunder Protection
- Solar Reverse Connected Protection
- EMC Protection
- Battery Reverse Connected Protection
- Power Limited Protection
- Reverse Flow of Current Protection
- Solar Short Circuit Protection
- Overheating Power Reduction Protection
- Solar Over-Voltage Protection

Applications

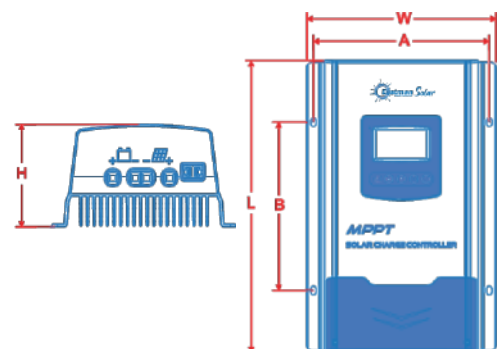
Solar RV, Household Solar Energy, Solar Street Lamp, Solar Power Generator, Solar Boat.

Mechanical Size

80A SCC 200V

Charge and load current	80A
Size (L×W×H)mm	375*244*135.5
Mounting hole size	φ7mm
Weight	6.8Kgs

● Please refer to the indicator diagram on the right



● Dimension reference drawing

Introduction

Eastman SCC is the ultimate solution for various solar applications like household energy systems, solar street lamps, and power generators. With user-friendly controls, it's versatile and essential for sustainable, reliable solar energy usage.

Product Features

- Advanced MPPT technology, fast and stable track the Maximum Power Point, tracking accuracy 99.5%.
- Auto-control of utility and generator dry contact design to compose a hybrid power system easily.
- Real-time working record function.
- 12/24V/48VDC System voltage automatic recognition.
- Load dry contact to control the external load switch.
- Power reduction automatically over temperature range.
- TVS lightning protection.
- Humanized LCD Displaying
- Accumulation function of charging and Discharging
- Wide MPPT Operating Voltage Range

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Product Specifications

MODELS	ES-80A SCC 200V
System nominal voltage	12/24/48VDC Auto ①
Rated charge current	80A
Battery voltage range	8~68V
Max. PV open circuit voltage	②180V ③200V
MPPT voltage range	(Battery voltage +2V)~ 144V
Max. PV input power	1000W/12V 2100W/24V 4200W/48V
Self-consumption	≤70mA(12V)/40mA(24V)/24mA(48V)
LVD	11.0V ADJ 9V...12V; ×2/24V; ×4/48V
LVR	12.6V ADJ 11V...13.5V; ×2/24V; ×4/48V
Float voltage	13.8V ADJ 13V...15V; ×2/24V;;×4/48V
Boost voltage	14.4V ; ×2/24; ×4/48V Battery Voltage less than 12.6V Start Boost changing for 2hours(Li-battery not)
MPPT tracking efficiency	≥99.5%
Max. Conversion efficiency	98%
Grounding	Common negative
Battery Type	Sealed(Default)/Gel/Flooded/LiFePO4/ Li(NiCoMn)02/ User
Temperature compensate Coefficient④	-4mv/°C/2V
Dry contact	Rated value: 3A/30VDC; Max. value: 0.5A/60VDC
Communication method	RS485
LCD backlight time	Default: 15S
Protection Level	IP32

①When a lithium battery is used, the system voltage can't be identified automatically. ②At minimum operating environment temperature
 ③At 25°C environment temperature ④When a lithium battery is used, the temperature compensate coefficient will be 0.

Connection Diagram

