

# MPPT

## SOLAR CHARGE CONTROLLER

### ES-60A SCC



Humanized LCD displaying



Advance MPPT Technology



Accumulation function of charging and discharging



Wide MPPT Operating Voltage Range

## Features

- Advanced MPPT technology, fast and stable track the Maximum Power Point, tracking accuracy 99.5%.
- Adopt Synchronous Rectification Technology, significantly improve the transfer efficiency of circuit, maximum 98.5%.
- Wide range of Maximum Power Point of PV array, Max PV input voltage 150V
- 12/24V/48VDC System voltage automatic recognition.
- Humanized LCD displaying, multi button combination operation, dynamic display operation data and working state
- Temperature Compensation Function

## Application Scenario



Solar RV



Household solar energy



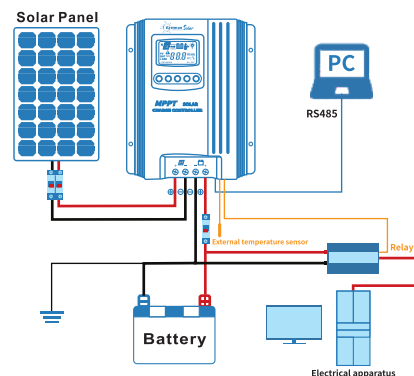
Solar Street Lamp



Solar Power Generator



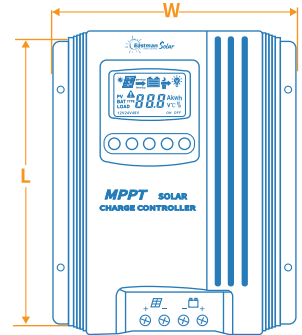
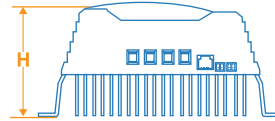
Solar boat



• Connection diagram

## Mechanical size

Model	ES-60A SCC
Charge and load current	60A
Size (L×W×H)mm	277×243×103
Mounting hole size	Φ5mm
Weight(kg)	4.5
Terminal scale	25mm <sup>2</sup> /4AWG

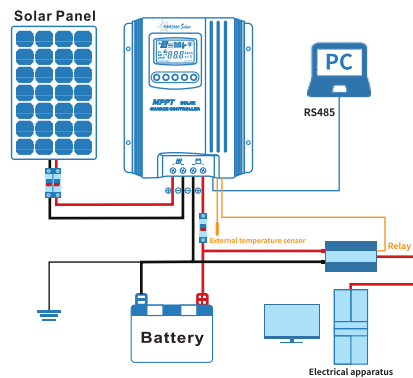
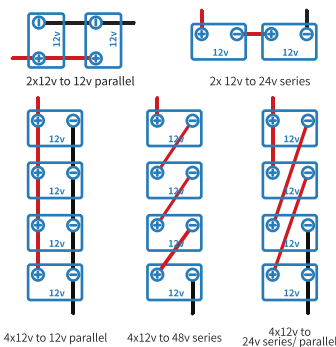


● Please refer to the indicator diagram on the right

● Dimension reference drawing

Model	ES-60A SCC
System Voltage	12V/24V/48V DC auto
Working voltage range	8~68V
Max.PV open circuit voltage	150V (Min.working temperature) 140V (25°C)
MPPT voltage range	(Battery voltage+2V) ~125V
Self-consumption	<2W
Rated charge current	60A
Rated discharge current	60A
Max.PV input power	800W/12V 1600W/24V 3200W/48V
Grounding	Common negative
Battery type	Sealed(Default)/Gel/Flood/Lithium
LVD※*	11.0V ADJ 9V...12V ; x2/24V ; x4/48V
LVR※*	12.6V ADJ 11V...13.5V ; x2/24V ; x4/48V
Float Voltage※*	13.8V ADJ 13V... 15V ; x2/24V ; M/48V
Boost Voltage※*	14.4V ADJ 13V...17V ; x2/24 ; x4/48V battery voltage less than 12.6v auto boost 2hours
Battery Over Voltage Protection	16.5V ; x2/24V ; x4/48V
USB Output	5VDC/1A 1PCS
Temperature Consumption#	For 12Vsystem:-24mV /°C ; x2/24V ; x4/48V
RS485 interface	Yes
Relative humidity	≤95%, N.C.
WorkingTemperature	-20°C~+50°C(Product can work continuously at full load)
LCD temperature range	-20°C~+70°C
Protection Level	IP32

## Connection



## Safety Protection

