

# MPPT SOLAR CHARGE CONTROLLER

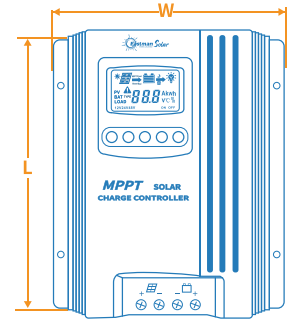
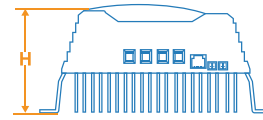


## Mechanical Size

**60A 150V**

Charge and load current	60A
Size (L×W×H)mm	277*243*103mm
Mounting hole size	φ5mm
Weight(g)	4.5Kgs
Terminal scale	25mm <sup>2</sup> /4AWG

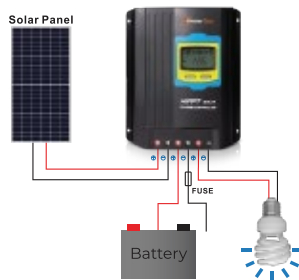
● Please refer to the indicator diagram on the right



● Dimension reference drawing

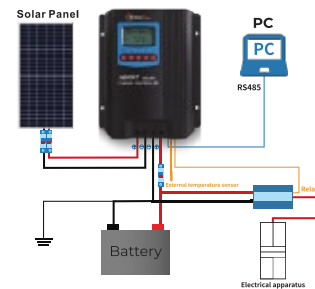
## Connection Diagram

ES-30A SCC 100V  
ES-40A SCC 100V



● Connection diagram

ES-60A SCC 150V



● Connection diagram

# MPPT SOLAR CHARGE CONTROLLER



## Product Specifications

MODELS	ES-30A SCC 100V	ES-40A SCC 100V	ES-60A SCC 150V
System Voltage	12V/24V DC auto		12V/24V/48V DC auto
Working voltage range	8~32V		8~68V
Max.PV open circuit voltage	100V (Min.working temp) 95V (25°C)		150V (Min.working temp) 140V (25°C)
MPPT voltage range	(Battery voltage+2V) ~75V		(Battery voltage+2V) ~125V
Discharge circuit voltage drop	≤0.25V		-
Self-consumption	<23mA		<2W
Rated charge current	30A	40A	60A
Rated discharge current	30A	40A	/
Max.PV input power	390W/12V 780W/24V	520W/12V 1040W/24V	800W/12V 1600W/24V 3200W/48V
Grounding	Common negative		
Battery type	Sealed (Default)/Gel/Flood/Lithium		
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 ; M/48V		
Boost Voltage ×*	14.4V ADJ 13V...17V ; ×2/24 ; ×4/48V battery voltage less than 12.6v auto boost 2hours		
Battery Over Voltage Protection	16.5V ; ×2/24V ; ×4/48V		
USB Output	5VDC/1A 1PCS		
Temperature Consumption#	For 12Vsystem:-24mV/°C ; ×2/24V ; ×4/48V		
RS485 interface	Optional		Yes
Relative humidity	≤95%, N.C.		
Working Temperature	-20°C~+50°C(Product can work continuously at full load)		
LCD temperature range	-20°C~+70°C		
Waterproof Grade	IP32		
Mounting hole size	φ5mm		
Terminals	16mm <sup>2</sup> /6AWG	25mm <sup>2</sup> /4AWG	25mm <sup>2</sup> /4AWG
Weight	1.2Kgs	1.7Kgs	4.5Kgs
Overall Dimension (mm)	195*183*54mm	232.5*200.1*54mm	277*243*103mm

#when battery type is set to Lithium battery, Temperature consumption is 0,unchangeable.

× Above the parameters are in 12V system at 25°C, twice in 24V system and quadruple in 48V system.

\*The default value is set based on the lead-acid battery. For other battery type please refer to the manual.