

# SOLAR CHARGE CONTROLLER



## Features:

- IP65 protection
- Easy installation
- All in one design
- Digital controller
- DC/AC Surge protection
- Reactive power controller
- String monitoring optional
- High efficiency up to 97.6%

10A	20A	30A
30A	40A	50A
60A		80A



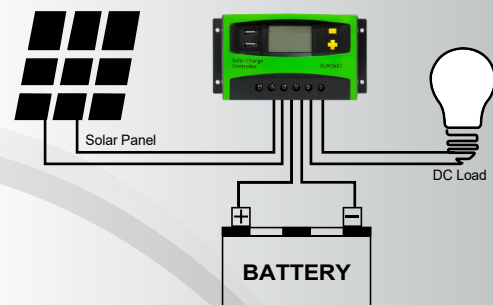
## TECHNICAL SPECIFICATIONS

Rated Voltage : 12/24V

Rated Current : 10A /20A/30A

40A /50A /60A/80A

Max.PV Voltage : 50V



Model	10A / 20A / 30A / 40A / 50A / 60A
USB Output	5V / 2A
System Voltage	12V / 24V
Max. Input Voltage of solar panel	55V
Self - consumption	≤ 12mA
Max. charge current	10A / 15A /20A /30A /40A /50A /60A
Max. discharge current	10A / 15A /20A /30A /40A /50A /60A
LVD	11.0V ADJ 9V....12V ; x2 24V
LVR	12.6V ADJ 11V....13.5V ; x2 24V
Float Voltage	13.8V ADJ 13V....15V ; x2 24V
Boost charging	14.4V ; x2 24V Battery Voltage less than 12 Start boost charging 2 hours
Battery Over Voltage Protection	16.5V ; x2 24V
ReverseConnection Protection	Yes
Load Over Current Protection	Yes, each two minutes restart once
Charge Type	PMW
Temperature Compensation	-24 mV /°C for 12V system ; x2 24V
Working Temperature	-20°C ---55°C
Terminal Scale	28---10 AWG
Waterproof grade	IP32
Size	168 mm x 92 mm x 41.5mm
Netweight	320g - 710g

# SOLAR CHARGE CONTROLLER



## Features:

- Double USB output 5V/2A
- Perfect Electronic Protections
- Intelligent 4 stages PWM charging: Bulk, Absorption, Equalize, Float
- System voltage of battery 12V/ 24V or 12V/ 24V / 36V/48V automatic recognition
- LCD display with Back-lighting shows device operating data and working condition
- Humanized simple button operation, Adjustable charge-discharge control parameters
- Automatic Temperature compensation and accumulated function of charge and discharge KWH
- Multiple lead control modes: 24 Hours Working Control, Light Control, Light and Dual Time Control
- Support more kinds of battery: Lead-acid battery ( Sealed, Gel, Flooded) and Lithium Battery ( LiCoMnNiO2, LifePO4)



## TECHNICAL SPECIFICATIONS

Max Current	10A / 20A	30A / 40A	50A / 60A	80A
Battery Voltage	12A / 24A / 36A / 48A Auto			
Max PV Open Circuit Voltage	100V			
Self-consumption	≤30mA			
Loop Voltage Drop	≤0.3V			
USB Drop	5V/2A*2			
Temperature Compensation	-4mV/°C/2V (25°C)			
Operating Temperature	-20°C~+50°C			
Protection Category	IP32			
Humidity	95%, no-condensing			
Terminals	8AWG / 10mm <sup>2</sup>	6AWG / 16mm <sup>2</sup>	4AWG / 25mm <sup>2</sup>	
Mounting Hole Size	158*68mmΦ6mm	190*69mmΦ5mm	190*104mmΦ5mm	
Dimension	168*88* 36mm	200*106*47mm	200*131.6*61mm	200*131.6*72mm
Weight	0.22 KG	0.4 KG	0.73G	0.79KG