

Ocean Dream Series

10A~60A / 12V-24V / 12V-24V-48V

Product Features

- Double USB design for 10A/20A, Four USB for 30A~60A, the power supply charge for more electronic devices. Molded
- Red and black terminals distinguish plus and minus poles, the product is more safer and more reliable
- Multi load control modes
- Built-in screwdriver, worry-free use it is there whenever you need it
- Compatible with various types of batteries: lithium, gel, sealed, etc
- Stable self-activation for lithium batteries
- 12 Electronic protections



PWM



Parameters adjustable



Protections



Temperature compensation

Application Scenario



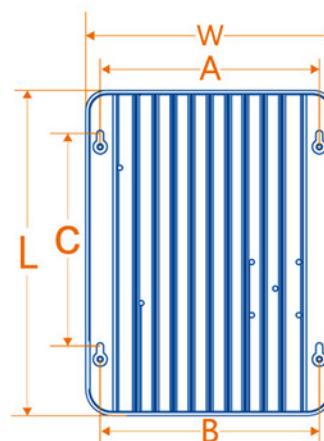
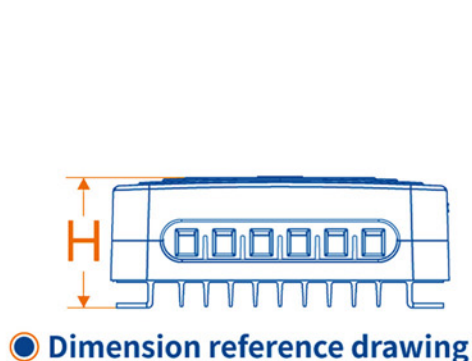
Household solar energy



Solar street lamp

Mechanical Size

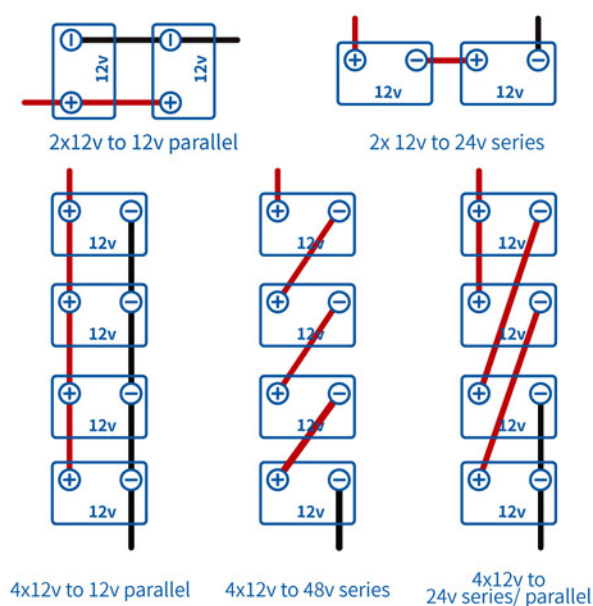
Charging current	10A	20A	30A/40A	50A/60A
Size (LxWx H)mm	165x120x39.4 mm		170x130x50 mm	190x145x55 mm
Mounting holes(AxBxC)mm	84x92x134 mm		111×114×124 mm	128×128×124 mm
Terminal scale	10mm ² /8AWG		16mm ² /6AWG	25mm ² /4AWG
N.W.(Kgs.)	0.2 KG	0.3KG	0.5 KG	0.7 KG/0.8 KG
Carton weight(Kgs)	13.1 KG	18.1 KG	18 KG	20 KG/22KG
Outer box size(mm)	510x380x280 mm		450x320x400 mm	430x410x335 mm
Pcs/CTN	40 pcs		30 pcs	24 pcs



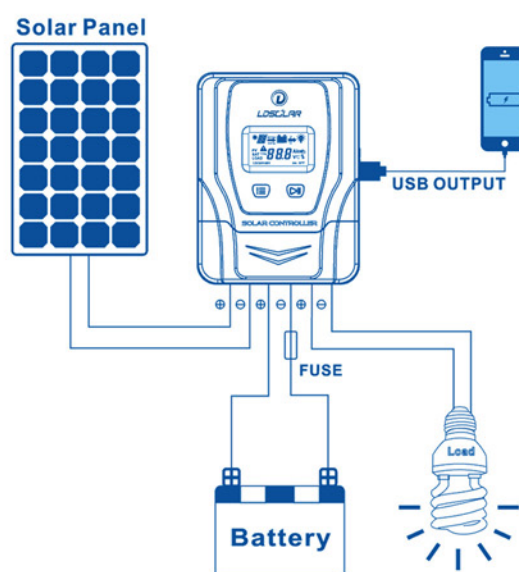
Product Specifications

Model	OD24**10S/20S/30S/40S/50S/60S	OD48**30S/40S/50S/60S
System Voltage	12V/24V	12V/24V/48V
PV Max Input Voltage	55V	100V
Self-consumption	<10mA	
Max Charging current	10A/20A/30A/40A/50A/60A	30A/40A/50A/60A
Max Discharging current	10A/20A/30A/40A/50A/60A	30A/40A/50A/60A
Battery Type	Sealed(Default)/Gel/Flooded/LiFePO4/ Li(NiCoMn)O2/ User	
LVD	11.0V ADJ 9U...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 13U...17V ; x2/24 ; x4/48V battery voltage less than 12.6v auto boost 2hours	
Battery Over Voltage Protection	16.5V ; x2/24V ; x4/48V	
Reverse Connection Protection	✓	
Load Over Current Protection	Yes, each 30s auto restart again	
Controller Over Temperature Protection	✓	
Charging Type	PWM	
Temperature Consumption	-24 mV /°C for 12Vsystem ; x2/24V ; x4/48V	
Working Temperature	-20°C—+55°C	
Waterproof grade	IP32	

Wiring Connection



● Example Wiring Methods



● Connection diagram