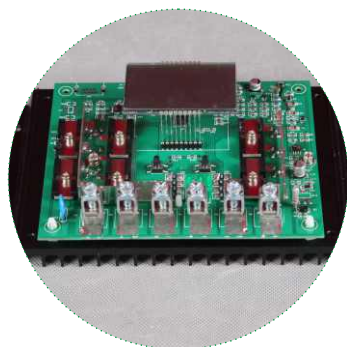
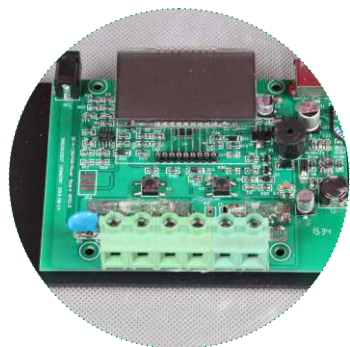


## SC-D Series



## MAIN FUNCTION:

- Automatic Identification System Voltage, 12V 24V auto recognition
- Humanized LCD displaying and double button operation of man-machine interface
- Completed technical data for setup and modify
- High Efficiency intelligent PWM 3 stage charging
- The load control mode can be selected, the timer function can be reset for street light at night
- Reliable over voltage, short circuit, over load, overcharge, over-discharge protection
- Roundly reverse connected protection.
- DC output available for 10A/15A/20A
- Accurate temperature compensation, correcting the charging and discharging voltage automatically, improving the battery lifetime
- Solar Panels, Battery, Solar Charge Controller positive poles are all connected together, adopting negative MOSFET in series control circuit

## TECHNICAL PARAMETER

MODEL	10A/15A/20A	30A/40A	50A/60A	30A/40A	50A/60A
System	12V/24V			48V	48V
Max. Input Voltage of solar panel	55V			100V	100V
Self-consumption	≤12mA	≤10mA		≤12mA	≤12mA
Max. charge current	10A/15A/20A	30A/40A	50A/60A	30A/40A	50A/60A
Max. discharge current	10A/15A/20A	30A/40A	50A/60A	30A/40A	50A/60A
LVD	11.0V ADJ9V....12V;*2/24V			44V ADJ36V-48V	
LVR	12.6V ADJ11V....13.5V;*2/24V			50.4V ADJ44-54V	
Float Voltage	13.8V ADJ13V....15V;*2/24V			55V ADJ52-60V	
Boost charging	14.4V;*2/24V Battery Voltage less than 12Vstart boost charging 2 hours			57.6V Battery Voltage less than 48Vstart boost charging 2 hours	
Battery Over Voltage Protection	16.5V;*2/24V			66V	
Reverse Connection Protection	Yes			Yes	
Load Over Current Protection	Yes, each two minutes restart once			Yes, each two minutes restart once	
Charge Type	PWM			PWM	
Temperature Compensation	_24mV/°C for 12V system; *2/24V			_24mV/°C for *4/48V	
Working Temperature	_20°C...+55°C			_20°C...+55°C	
Terminal Scale	28---10 AWG 16m			14---6 AWG 16m	
Waterproof grade	IP32			IP32	
Size	168*92*41.5mm	190*108*41.5mm	200.1*127*55.3mm	190*108*41.5mm	200.1*127*55.3mm
Net weight	320g	410g	690g	410g	690g