



# Solar Charge Controller

# SC Series



SC-15A



SC-20A



SC-30A  
SC-40A  
SC-50A



### Features

- Microcontroller Integrated
- 12V/24V & Battery Type by DIP Switch
- Load On At Night Mode by DIP Switch
- LED Indicators for Controller States
- LED Indicators for Battery States
- Aluminum Housing
- Multiple Safety Protections:  
Low Voltage / Low Voltage Reset / Overheat / Overload
- 100% Made in Taiwan

Model	SC-15A	SC-20A	SC-30A	SC-40A	SC-50A
<b>System</b>					
System Voltage	12/24V Select by DIP Switch				
Charge Current	15A	20A	30A	40A	50A
Standby Current	< 30mA				
Charge Stage	Bulk -> PWM -> Float				
Charge Battery Supported	NI-CAD, GLE/AGM, FLOODED/WET, SEALED Select by DIP Switch				
Max Solar Array Voc	50V				
Max Solar Array Current	15A	20A	30A	40A	50A
Max Load Current	15A	20A	30A	40A	50A
Efficiency	> 90%				
<b>Protection</b>					
Battery Low Voltage Protection	DC 12V: 10 ± 0.5V DC 24V: 20 ± 1.0V				
Battery Low Voltage Reset	DC 12.5V: 10 ± 0.5V DC 25.0V: 20 ± 1.0V				
Output Overheat Protection	> 65°C ± 5°C				
Output Overload Protection	YES (120% of Rated Current)				
Cooling	Air Convection				
<b>Mechanical</b>					
Dimension (L x W x H)	120 x 73 x 45 mm	126 x 118 x 62 mm	226 x 118 x 62 mm		
Net Weight	0.3 kg	0.4 kg	0.7 kg	0.8 kg	