

SC-20 ~ 6048MAX

Solar Charge Controller

Features

- LCD display for status and settings
- 12V/24V automatic recognition
- Two USB interfaces (SC-20/30/40MAX)
- Multiple battery choices
- Four-stage charge method
- Electronic protections
- RS-485 standard Modbus protocol with RJ11 interface (SC-60MAX)



SC-40MAX



SC-60MAX



SC-6048MAX

Application Diagram



Specifications

Model	SC-20MAX	SC-30MAX	SC-40MAX	SC-60MAX	SC-6048MAX
Nominal Voltage	12V / 24V automatic recognition				12V/24V/36V/48V
Max Solar Charger Current	20A	30A	40A	60A	60A
Max Output Load Current	20A	30A	40A	30A	30A
USB Interface	5V, 2A			None	
Temperature Compensation	-4.17mV/K per cell (Boost and Equalization charge); -3.33mV/K per cell (Float charge)				
Max Solar Voltage	55V				100V
Max Battery Voltage	35V				65V
Dimensions	189 × 96 × 53 mm			187.5 × 138 × 62.5 mm	187.5 × 138 × 88.5 mm
Weight	420g			720g	1.1kg
Max. Wire Size	8 AWG			6 AWG	
Typical Power Consumption	5 mA			10 mA	
Working Temperature	-20°C ~ 50°C				
Storage Temperature	-25°C ~ 80°C				
Ambient Humidity	0 ~ 100%RH				
Case Protection	IP32				

Specifications are subject to change without notice.

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