

SC-10~20SM/SM-Z

Solar Charger

For a variety of load applications, SC-SM and SC-SM-Z series offer you options.

SC-SM series with a PV sensor can output or not depending on PV power of levels, whereas SC-SM-Z series can continuously output whatever PV power exists or not.

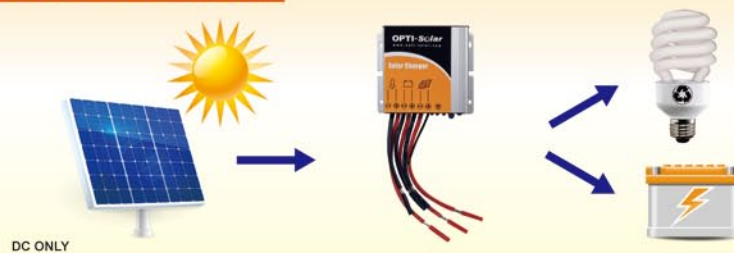
Features

- 12V/24V automatic recognition
- Automatic temperature compensation
- Three-stage charge method
- Electronic protections
- IP68 enclosure

IP68
Dustproof & Waterproof

Waterproof & Dustproof

Application diagram



Specifications

Model	SC-10SM/SM-Z	SC-20SM/SM-Z
Nominal voltage	12 V / 24 V automatic recognition	
Max solar current or load current	10A	20A
Boost voltage	14.5 / 29 V (25°C)	
Equalization voltage	14.8 / 29.6 V (25°C)	
Float voltage	13.7 / 27.4 V (25°C)	
Battery type	Flooded, Sealed	
Max solar voltage	55V	
Max battery voltage	40V	
Cable length	120mm / 80mm	
Over voltage protection	15.5 V / 31.0 V	
Dimensions / Weight	85 × 70 × 20 mm / 200g	85 × 85 × 20mm / 210g
Wire cross-section	SC-10SM/SM-Z: 2.5 mm ² ; SC-20SM/SM-Z: 4 mm ²	
Typical power consumption	Lower than 13mA / 15mA	
Working temperature	-40°C ~ 60°C	
Case protection	IP67	
Max altitude	4000 m	

Specifications are subject to change without notice.

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