

## SunCharger Battery Maintainer

Model SC-05 4.8 Watts SC-10 9.6 Watts

## **Design Features**

- Maximum efficiency
- Prevents back flow of current from the battery to the panel
- No need for additional Charge Controller
- Semi-flexible panel construction
- Rugged, weather-proof design
- 10ft cable
- 1ft cable with 12V power plug
- 1ft cable with ring terminals for battery

## 2 YEAR LIMITED WARRANTY

MODEL NO.	SC-05	SC-10
TYPE OF CELLS	Monocrystalline	Monocrystalline
NO. OF CELLS	24	24
CELL SIZE	78.0 x 14.8 mm	156.0 x 14.8 mm
NOMINAL RATED POWER	5W ± 3%	10W ± 3%
OPEN CIRCUIT VOLTAGE, Voc	15.3 VDC	15.3 VDC
MAXIMUM POWER VOLTAGE, VMP	12.7 VDC	12.7 VDC
SHORT CIRCUIT CURRENT, Isc	0.42A	0.85A
MAXIMUM POWER CURRENT, IMP	0.39A	0.79A
CELL CONVERSION EFFICIENCY	18.43%	18.43%
MODULE CONVERSION EFFICIENCY	8.60%	9.74%
MAXIMUM SYSTEM VOLTAGE	600 VDC	600 VDC
VOLTAGE TEMPERATURE COEFFICIENT	-0.29% / °C	-0.29% / °C
CURRENT TEMPERATURE COEFFICIENT	+0.05% / °C	+0.05% / °C
POWER TEMPERATURE COEFFICIENT	-0.39% / °C	-0.39% / °C
BLOCKING DIODE	30V, 1A, Vf = 0.55V	30V, 1A, Vf = 0.55V
CONNECTING CABLE	<ul> <li>10 ft, AWG #18, 105°C, 300V</li> <li>2-pin SAE Connector (Bare bullet is Negative)</li> </ul>	
OPERATING TEMPERATURE	-40°C to +85°C / -40°F to +185°F	-40°C to +85°C / -40°F to +185°F
DIMENSIONS (WIDTH X HEIGHT X THICKNESS)	204 x 285 x 13.2 mm ; 8.03 x 11.22 x 0.52 in	360 x 285 x 13.2 mm ; 14.11 x 11.22 x 0.52 in
WEIGHTS	0.44 Kg / 0.8 lb.	0.55 Kg / 1.2 lb.
	<ul> <li>1. Adapter Cable Set for SAE to 12V Accessory Plug</li> <li>1 ft, AWG#18 cable</li> <li>Mating 2-Pin SAE Connector (Bare bullet is Positive) for solar panel end and 12V Accessory Plug on the battery end</li> </ul>	

**ACCESSORIES SUPPLIED** 

- sory Plug on the battery end
- Fuse rating of fuse in the tip of the 12V Accessory Plug: 10A; 250V; 6.3 x 30 mm
- 2. Adapter Cable Set for SAE to Ring Terminals

  - 1 ft, AWG#18 cable
  - Mating 2-Pin SAE Connector (Bare bullet is Positive) for solar panel end and 2 Ring Terminals (for 5/16" stud) for battery end
  - Fuse Holder & Fuse near battery end: Fuse Mini Blade, 32V/10A

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