

Solar Charge Controller

Model
SCC-1208L

12 Volts
8 Amps



FC CE IP65

Design Features

- Micro-controller based for automatic, intelligent operation
- Designed for 12 V nominal solar panels and 12 V battery systems
- 3 Stage charging (Bulk, Absorption, Float) for 100% return of capacity and long battery life
- For use with 2 types of batteries: Flooded/Wet Cell or Sealed AGM
- Totally sealed, splash proof weather resistant design (Ingress Protection Rating IP65)
- Automatically turns on lights when dark and turns off during the day
- Mosfet based reverse current blocking prevents night-time battery discharge and lowers power loss
- Protections: Overload, Over-Temperature, Battery Under/Over Voltage, Reverse Polarity
- Wide operating temperature range of -40°C to + 60°C

Applications

- Off-grid mobile rural systems
- Rural electrification
- Power supply for remote equipment
- Monitoring systems for the oil & gas industry
- Traffic, security, environment, and other remote monitoring and signaling systems
- Water pumping systems

5 YEAR WARRANTY

MODEL NO.	SCC-1208L
BATTERY SYSTEM VOLTAGE	12 V
MINIMUM BATTERY VOLTAGE FOR OPERATION/CHARGING	3 V / 7 V
MAXIMUM PV OPEN CIRCUIT VOLTAGE, Voc	26 V
RATED PV SHORT CIRCUIT CURRENT, Isc	8 A (Maximum 10 A for 5 minutes)
BULK CHARGE CURRENT	= Isc of the PV Panel
ABSORPTION VOLTAGE - SEALED AGM / WET CELL	14.5 V ± 0.2 / 14.8 V ± 0.2 V
FLOAT VOLTAGE	13.8 V ± 0.2 V
RATED CURRENT ON LOAD TERMINALS	8 A (Maximum 10 A for 5 minutes)
PV VOLTAGE TO TURN ON / TURN OFF LOAD TERMINALS	≤ 3 V for 10 minutes / > 4 V for 10 minutes
DEEP DISCHARGE PROTECTION ON LOAD TERMINALS	Disconnect if ≤ 11.5 V ± 0.2 V for 5 minutes / Immediately at ≤ 9 V
NO LOAD CURRENT CONSUMPTION	< 9 mA
PROTECTIONS (ALL AUTO RESET EXCEPT OVERLOAD)	Overload (12 A); Over Temperature; OverCharging Voltage (16 V); Deep Discharge; Reverse Polarity
ENVIRONMENTAL	Temperature -40°C to +60°C; RH 100%; Ingress Protection IP65
COMPLIANCE	CE Marked; FCC Part 15(B), Class B
DIMENSIONS (L x W x H)	97 x 46 x 26 mm / 3.8 x 1.8 x 1.0 inches
WEIGHT	0.125 kg / 0.276 lbs.

NOTE: Specifications are subject to change without notice

Revised: November 21, 2011