



Series: **SCC1**

Combination Din-rail Mounted Solar Charge Controller with Stable DC Power Supply Output



FEATURES & BENEFITS

- Controls Charge Voltage From Solar Module
- 12, 24 or 12 & 24 Vdc Output Models
- Economical Din-rail Enclosure Design
- Provides Up To 2 Amps Continuous Output Power

APPLACATIONS

- Wireless Sensors, Transmitters, Base Stations
- Process Controls, Instrumentation
- Telemetry, SCADA Equipment

DESCRIPTION

Designed for off-grid, solar power systems that provide power to low voltage, low power sensors, controls and instrumentation. These units efficiently regulate Solar battery charging. The built-in dc-dc converters provide regulated 12 and 24 Vdc power for sensors, controls, telemetry and SCADA equipment.

General Specifications

- Enclosure: Din-rail (35mm) Glass-filled Polycarbonate
- Wire Connection: 22 –12 AWG
- Temperature Range: -30 to 140°F (±34 to 60°C)
- Dimension: 2.76 x 3.39 x 2.28" (70.1 x 86.1 x 57.9 mm)

Model Number	SCC1-12V	SSC1-24V	SCC1-12/24V
Rated Solar Charging Current	5 Amps	5 Amps	5 Amps
Max Solar Panel Wattage	100 Watts	100 Watts	100 Watts
Voltage Output (by model)	12 Vdc	24 Vdc	12 Vdc, 24 Vdc
Maximum Output Current	2 Amps	2 Amps	2 Amps
Converter Switching Frequency	150 KHz	150 KHz	150 KHz
Voltage Load Regulation	± 0.5%	± 0.5%	± 0.5%
Max Efficiency	95%	95%	95%
Output Ripple Max	40 mV	40 mV	40 mV

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Note: Continued product improvements make specifications subject to change without notice.
 Check www.imagineinstruments.com for the latest product information and updates

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