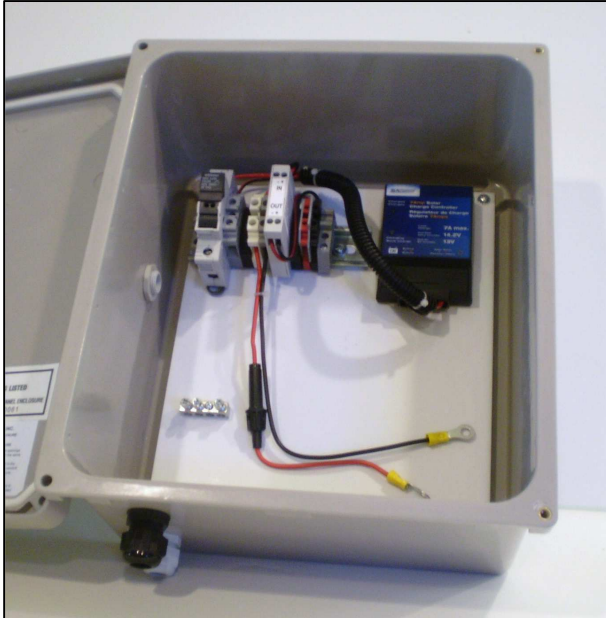




Series: **SCS12V**

## Solar 12V Charging System Kit



### FEATURES & BENEFITS

- Provides Regulated 12 Vdc Output
- Weatherproof Fiberglass Enclosure
- Preassembled, Prewired, Ready-To-Install
- Main Circuit Breaker & Fusing
- Space To Install Your Own Battery
- Designed for Off-grid Applications

### APPLACATIONS

- Wireless Sensors, Transmitters, Base Stations
- Process Controls, Instrumentation
- Oil & Gas Instrumentation
- Irrigation Drip System, Water Pumping, Valves
- Pond Aeration Systems
- Remote Area Lighting

### DESCRIPTION

SCS12V Series provides a stable, regulated 12 Vdc output to power sensors, transmitters, SCADA, telemetry equipment, controls and instrumentation. Each kit is pre-wired, pre-assembled and designed for you to add your own solar panel and battery. All other system components are included. Each kit comes with a weatherproof fiberglass enclosure that has a gasketed hinged door, solar charge controller, touch-safe fuse holder, 12V Dc-dc converter and din-rail terminal blocks for output power connection.

#### Weatherproof Fiberglass Enclosure

Weatherproof, UL listed, NEMA 4X rated enclosure. Design includes stainless steel hinges, gasketed door and screws for outstanding corrosion resistance.

#### Charge Controller

Specifically designed for 12 Volt System charging, the controllers in these systems feature precise voltage and current regulation and over voltage cut off protection.

#### 12V Dc-dc Converter

Provides conditioning and regulation to keep the 12VDC output stable regardless of battery voltage fluctuations during charging cycles.



Shown with customer supplied battery

## GENERAL SPECIFICATIONS

Series: **SCS12V**

**Operating Temperature:** -40 to 140 °F (-40 to 60 °C)

**Enclosure:** Fiberglass Reinforced Plastic (NEMA 4X)

**Enclosure Size:** See Model Tables

**Fuse Size Required:** 10 x 38mm

**Regulated Output:** 12 Vdc

*Complete System Includes Charge Controller, Weatherproof Fiberglass Enclosure, Earth Grounding Kit, 12V Dc-dc Converter, Enclosure Vent and Enclosure Mounting Kit.*

Model Number	SCS12V-60A-3A	SCS12V-60B-3A
Max Solar Watts	60	60
Nominal Solar Volts	12V	12V
Charge Controller Capacity (Max Load Amps)	12V, 3A	12V, 3A
Max Battery Size (Height x Length x Width)	6.7 x 7.2 x 3.9"	7.3 x 7.8 x 5.3"
Enclosure Size	11.8 X 9.8 x 6.8" (300 x 249 x 173mm)	13.8 x 11.9 x 6.8" (351 x 302 x 173 mm)

Model Number	SCS12V-100A-7A	SCS12V-100B-7A
Max Solar Watts	100	100
Nominal Solar Volts	12V	12V
Charge Controller Capacity (Max Load Amps)	12V, 7A	12V, 7A
Max Battery Size (Height x Length x Width)	6.7 x 7.2 x 3.9"	7.3 x 7.8 x 5.3"
Enclosure Size	11.8 X 9.8 x 6.8" (300 x 249 x 173mm)	13.8 x 11.9 x 6.8" (351 x 302 x 173 mm)

Model Number	SCS12V-120A-10A	SCS12V-120B-10A
Max Solar Watts	120	120
Nominal Solar Volts	12V	12V
Charge Controller Capacity (Max Load Amps)	12V, 10A	12V, 10A
Max Battery Size (Height x Length x Width)	6.7 x 7.2 x 3.9"	7.3 x 7.8 x 5.3"
Enclosure Size	11.8 X 9.8 x 6.8" (300 x 249 x 173mm)	13.8 x 11.9 x 6.8" (351 x 302 x 173 mm)

Model Number	SCS12V-160A-20A	SCS12V-160B-20A
Max Solar Watts	160	160
Nominal Solar Volts	12V	12V
Charge Controller Capacity (Max Load Amps)	12V, 20A	12V, 20A
Max Battery Size (Height x Length x Width)	6.7 x 7.2 x 3.9"	7.3 x 7.8 x 5.3"
Enclosure Size	11.8 X 9.8 x 6.8" (300 x 249 x 173mm)	13.8 x 11.9 x 6.8" (351 x 302 x 173 mm)

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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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