

SCS-80A-12V-4X250A.6V-IVT.2K.120V-V1

Solar Charge System - 12V DC - 60A MPPT Charge Controller, (4) 250aH Batteries - (2) Fuses

Product ID: 279583

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

SCS-80A-12V-4X250A.6V-IVT.2K.120V-V1 Solar Charger Control System

Unit Type: Solar Charge Control Box

Dimensions: -

Weight: -

System Voltage: Wired in Series and Parallel for 12V

Charge Controller: 60A MPPT Charge Controller

Batteries: (4) 8D 250 aH 6V AGM Lead Acid Batteries

Battery Capacity: 450 aH Battery Bank Capacity, 50% Usable

Inverter: 2,000W Pure Sine Wave - 12V to 120V

Inverter Surge Capacity: 3,000W @ 100 Milliseconds

Inverter Output: (2) 120V GFCI

Fuses: (1) 30A 12V between Charge Controller and Battery Bank, (1) 250A 12V between Batteries and Inverter

Disconnect: (1) 250A 12V Disconnect Switch On + Line between Battery Bank and Inverter

Ambient Operating Temp Range: -

Enclosure Type: Vented Compartments, Batteries Separated from Inverter and Charge Controller

Top Lid: Lockable, Hinged

Mounting: Surface/Floor

Cable Type: 1/0 Cable for Connecting Batteries Together, 1/0 Cable for Connecting Battery Back to Inverter

Ratings/Approvals

Water Tight Enclosure

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The SCS-80A-12V-4X250A.6V-IVT.2K.120V-V1 Solar Charge System provides operators with an effective way to manage off-grid solar charging along boat docks. This unit features a 60-amp MPPT charge controller, four 250 aH batteries, 2,000-watt inverter, 250-amp disconnect and two fuses. Equipped with a lockable hinged lid, the solar charge box can be mounted on surfaces or floors during installation.

The SCS-80A-12V-4X250A.6V-IVT.2K.120V-V1 supports solar panel charging and power conversion. Equipped with a 60-amp MPPT charge controller, this system has four 8D 250 aH 6V AGM lead acid batteries, which are wired in series and parallel for 12V. The battery bank has a 450 aH capacity and is 50% usable. Operators can access a 2,000-watt pure sine wave inverter inside the unit. The inverter features 12V input and 120V output with 3,000 watts at 100 milliseconds surge capacity. Two 120V GFCI outputs are available from the inverter.

There are two fuses protecting various system components: (1) 30A 12V fuse between the charge controller and battery bank and (1) 250A 12V fuse between the batteries and inverter. A 250-amp 12V disconnect switch on + line is available between the battery bank and inverter. The disconnect switch is mounted on the front of the box.

Suitable for use on boat docks, the water tight enclosure is designed with the batteries separated from the inverter and charge controller. Each compartment is ventilated for natural cooling. The heavy-duty box is accessible from the top, via a lockable lid.

Cables: The following types of cables are available inside the box: 1/0 cable for connecting batteries together and 1/0 cable for connecting battery back to inverter.

Mount: The solar charge system is compatible with surface or floor mounting installations. At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)











SCS-80A-12V-4X250A.6V-IVT.2K.120V-V1

Product ID: 279583

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)