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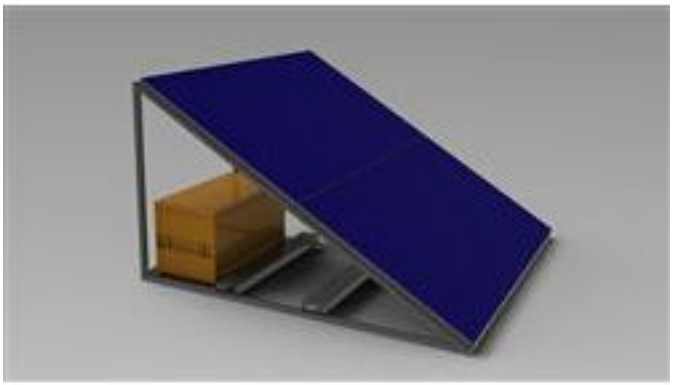
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SPGSM-.53K-2X250AH-120V

530W Skid Mount Solar Generator - (2) 265W Panels - (2) 250aH Batteries - 24V DC and 120V AC 60 Hz

Product ID: 149000

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.

1**SPGSM-.53K-2X250AH-120V Skid Mount Solar Generator**

1**#000000Product Type:** Skid-Mounted Solar Generator
1**#000000Panels:** (2) 265W Solar Panels (Total 530W)
1**System Voltage (Output):** 124V DC and 120V AC 60 Hz - 100W max
1**Runtime:**1 10 Hours Continuous @ 60W Draw on 120V
1**Battery Bank:**1 (2) 250aH 12V AGM Sealed Lead Acid
1**Method of Deployment:** 1Skid Mount
1**Job Box Type:** 1NEMA 3R Enclosure
14**1Material:**1 Galvanized Steel Frame
14**1Dimensions:** 1118.8 x 69.4 x 117 inches
14**1Shipping:**1 Common Freight
14**1Weight:** 11000 lbs

1**Quick Summary**

1Galvanized Steel Construction
1NEMA 3R
1Fully Solar, No Fuel Needed
110-hr Runtime w/o Sun @ 60W Draw
1

1**Special Orders - Special Requirements**

1Contact us for special requirements

1Intl: 11-903-270-1187

1Toll Free: 11-800-369-6671

1Fax: 11-903-498-3364

1**E-mail:** 1sales@larsonelectronics.com

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Made in the USA

The Larson Electronics SPGSM-.53K-2X250AH-120V skid mount solar generator is a stand-alone unit that offers 60 watts of continuous power at 120V AC for 10 hours without sunlight. This generator features two 265-watt solar panels and two 250aH 12V batteries. It is suitable for remote locations without reliable access to the grid, including: agricultural operations, outdoor greenhouses, farms, emergency camps, military bases and construction sites. Operators may use the generator to power electronics, tools and industrial equipment.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

This unit is comprised of two 265-watt solar panels, generating 60 watts at 120V AC. The solar panels are mounted to a galvanized steel frame and wired to the solar charger control box, which manages the charging system. The solar panels are mounted to a frame, angled at 45° to capture the intensity of the sun for optimized light intake. This system delivers 120V AC 60 Hz output, and can run a 60-watt device continuously for up to 10 hours with 5.5 hours of sun.

Solar Panel Assembly: This unit is comprised of two 265-watt solar panels, generating a total maximum output of 530 watts. The panels are mounted to a stationary assembly. The panels are wired to the solar charger control box which manages the charging system. The solar panels are mounted to a frame, angled at 45° to capture the intensity of the sun for optimized light intake.

Solar Charge Controller: In this 120-volt solar control system, each panel is terminated with a fused combiner box with a single lever action cut-off switch. With the switch set to the 'on' position, the combiner box passes power to the charge controller. Oddly enough, most charge controllers aren't rated past 104 degrees Fahrenheit despite the fact they will always be close to direct sunlight. In the summer time in Texas, our fabrication shop is normally warmer than that. We improve the cooling capability by shading the charge controller and adding additional air flow from the exhaust of a 1400 CFM component cooling system.

Component Control Center In order to ensure that the 50% threshold on the batteries is controlled, this solar trailer includes a system of min/max voltage sensors and relays that monitor the voltage produced by the batteries and will automatically shut off power distribution when the battery capacity falls below 50%. This protects the batteries from failure. We also include ground fault protection.

All the electrical components, including the combiner panel, charge controller, over/under battery monitoring and ground fault isolation are encapsulated in a NEMA 3R job box that is bolted to the trailer. Since most of these components are not rated for high heat, our component cooling system circulates air within the job box at 1400 CFM when the ambient temperature exceeds 90 degrees Fahrenheit. The component control center also includes a terminal block so that customers can mount additional electronic gear without interfering with the charging systems. The job box that contains the component control system includes locks for security purposes.

Frame Assembly: The entire assembly is mounted to a 10` by 5.75` galvanized frame set at a 45° angle. This frame includes skid pockets for easy transportation with the job side. All wiring and components are mounted within the frame.

Applications: This solar generator is suitable for use in remote locations, such as temporary camps, construction sites, military bases and areas without reliable access to the grid. It can be utilized to power a wide range of heavy duty tools and equipment, including laptops, machines and mobile devices. The unit's robust recharging options offer flexibility in environments where access to reliable power sources are severely limited.

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.

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Frequently Asked Questions (FAQ)

SPGSM-.53K-2X250AH-120V

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Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**