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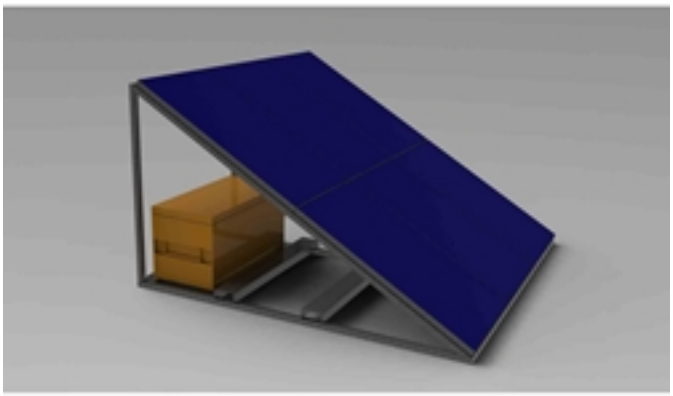
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SPGSM-53K-24X250AH-220V.50HZ

5.3kW Skid Mount Solar Generator - (20) 265W Panels - (24) 250aH Batteries - 220V 50 Hz 1PH Inverter

Product ID: 242979

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.

SPGSM-53K-24X250AH-220V.50HZ Skid Mount Solar Generator

Product Type: Skid-Mounted Solar Generator
Panels: (20) 265W Solar Panels (Total 5.3 kW)
System Voltage (Output): 220V AC 50 Hz 1PH
Runtime: -
Battery Bank: (24) 250aH 12V AGM Sealed Lead Acid
Battery Capacity: 6,000aH Battery Bank/3,000aH Usable
Method of Deployment: Skid Mount
Job Box Type: NEMA 3R Enclosure
Material: Galvanized Steel Frame
Dimensions: 118.8 x 69.4 x 117 inches
Shipping: Common Freight
Weight: 1,000+ lbs

Quick Summary

Galvanized Steel Construction
NEMA 3R
Fully Solar, No Fuel Needed

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics SPGSM-53K-24X250AH-220V.50HZ skid mount solar generator is a stand-alone unit for remote applications and work sites. This generator features twenty 265-watt solar panels and twenty-four 250aH batteries (6,000aH capacity/3,000aH usable). A 240V single phase inverter is available for operating 220V 50 Hz equipment.

***PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT**

MASTS OR LIGHT TOWERS*

This unit is comprised of twenty 265-watt solar panels, generating 5,300 watts at 220V AC 50 Hz. 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 220V AC 50 Hz single phase output via an inverter. The solar panel assembly comes with twenty-four, 250aH batteries for storage (6,000aH capacity/3,000aH usable).

Solar Panel Assembly: This unit is comprised of twenty 265-watt solar panels, generating a total maximum output of 5.3 kilowatts. 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 240-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 1,400 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-24X250AH-220V.50HZ

Product ID: 242979

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**