

SPL-1.8K-60AC-120V-TLR-M1

Portable Solar Generator - (6) 300W Panels, 60A CC, 500W Inverter - Trailer Mount, Steel Frame/Stabilizing Jacks

Product ID: 277183

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.

SPL-1.8K-60AC-120V-TLR-M1 Trailer Mount Solar Panel Generator

Unit Type: Solar Powered Generator on Portable Trailer

Trailer Dimensions: 16' x 6'

Solar Panels: (6) 300W

Stabilization: Locking Arms w/ Key Holes

Control: Rotate, Extend and Collapse

Job Box Enclosure: Included w/ N3R Cover

Enclosure Cooling: Natural; Bottom-located Vents

Solar Charge Controller: 60A

Inverter: 500W, 120V

Frame Assembly Material: Steel w/ Industrial Grade Coating

Mount: Single-axle Trailer

Trailer Coating: Powder Coated or 2-part Epoxy Steel

Trailer Axle: 3,500 lbs Rating

Leveling: (4) 1,200 lbs Stabilizing Jacks

Wiring/Bolts: -

Ratings/Approvals

Rotate and Tilt Control

Batteries and Battery Chargers Not Included

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

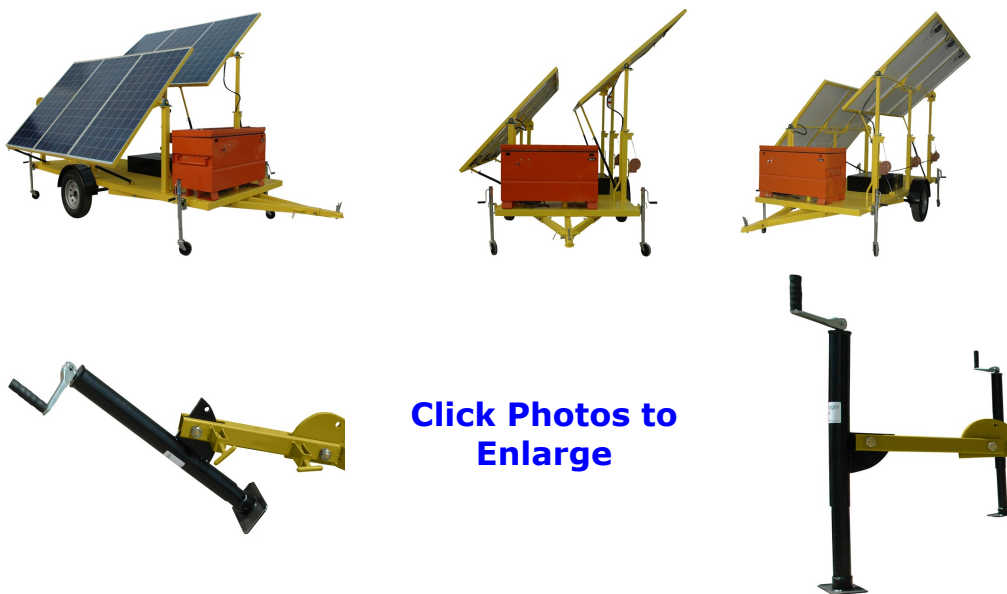
Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The SPL-1.8K-60AC-120V-TLR-M1 from Larson Electronics is a Portable Solar Generator for powering equipment in remote locations. Operators may tilt, rotate, extend or collapse six 300-watt solar panels for robust control when optimizing positions during harvesting/charging, storage or

transportation. Equipped with a job box enclosure, 60-amp charge controller and 500-watt inverter, the trailer-mounted frame assembly is constructed of steel with an industrial-grade coating for added durability. Batteries and battery chargers are not included with the system.

This trailer-mounted unit can be rotated until it faces inwards, which protects solar panels during transport. When deployed, six 300-watt panels are rotated until they face upwards. In order to optimize sun capture, the panels can be set to ± 15 degrees of the latitude of location on Earth. Houston, Texas, for example, is at a latitude of 30 degrees, so the winter setting is 45 degrees and the summer setting would be 15 degrees. While this does not make a huge difference, every little bit helps. The position of the panels are set via locking stabilization arms with key holes, which increases stabilization of the solar array during deployment in high wind applications. As part of the deployment, operators will set the four stabilizing jacks into position by pulling them out and pinning them into position. A job box enclosure is available, which holds a 60-amp charge controller and a 500-watt inverter for 120V equipment. Batteries and battery chargers are not included (must be provided by customer). The enclosure is protected by a top-located NEMA 3R rated cover. This cover serves as a shield and protects the unit from outdoor elements and weather. Natural cooling is provided by vented openings located at the bottom of the enclosure.



Trailer: The trailer itself is built on a 3500-pound rated axle and is approximately 16 feet long and 6 feet wide. The trailer is equipped with a removable tongue for storage, transport and security purposes. For an additional charge, we offer removable wheels in addition to the removable tongue for extra security. The four stabilizing jacks can be folded out from the frame and pinned into place. Four 1,200 lbs hand crank leveling jacks are used for leveling the unit up to a 37-degree slope. Jacks can be leveled by hand crank or attachment provided for power drills. The feet on the stabilizing jacks are over-sized and equipped with through holes for additional ground anchoring mechanisms into hard rock or concrete.

Applications: Solar powered systems, solar generators, remote powering of electronics, lights and equipment, as well as charging batteries and power packs for off-grid consumption.

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)





SPL-1.8K-60AC-120V-TLR-M1

Product ID: 277183

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)