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SPLT-QP-XL-RPS-1.5K

265W Portable Solar Panel System - 1500Wh Li-ion Battery - 120V AC/PV Charging - Quadpod Mount

Product ID: 150544



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.

SPLT-QP-XL-RPS-1.5K Portable Solar Panel with Battery
Unit Type: Quadpod Mounted Solar Panel
Total Weight: -

Quick Summary
AC/PV Charging
ISO 14001 Panels
Panels Can Withstand 25mm Hail Stones @ 55 Mph

Solar Panel Specs

Solar Cells: Multicrystalline 6"

Panel Dimensions: 65.43" L x 38.98" W x 1.81" H

Cells Orientation: 60 Cells (6x10)

Ambient Operating Temperature: -40°C to +90°C

Maximum System Voltage: 1000V DC

Nominal Operating Cell Temperature (NOCT): 45°C

Temperature Coefficient of Pmax: - 0.45%/°C

Temperature Coefficient of Voc: - 0.36%/°C

Temperature Coefficient of Isc: 0.06%/°C
Peak Power Watts - PMAX (WP): 265
Power Output Tolerance - PMAX (%): +5/-0
Maximum Power Voltage - VMP (V): 31.0
Maximum Power Current - IMPP (A): 8.55
Open Circuit Voltage - VOC (V): 38.3
Short Circuit Current - ISC (A): 9.26
Fuse Rating: 15 A
Module Materials: Andonized Aluminum, Black
Grounding: Grounding Points on Each Corner
Mount: Portable Quadpod
Mount Materials: Aluminum w/ Powder Coated Finish - Glossy Blue

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Battery Pack Specs

Battery Type: Li-ion Battery

Battery Capacity: 1500Wh

Rated Output Power: 500W
Peak Output: 700W
Output Voltage: 100V/110V/120V AC, 220V/230V/240V AC
Output Frequency: 50Hz/60Hz
Relative humidity: 5% ~ 90%
AC Charge Input Voltage: 88~264V AC
AC Charge Power Factor: =0.94(full load)
AC Charge Input Frequency: 50/60Hz ± 5Hz
AC Charge Max Charge Power: 327W
AC Max Efficiency: 92%
PV Charge Max Input Power: 210W
PV Charge Start-up Voltage: 18V DC
PV Charge MPPT Amount: 1
PV Charge MPPT Input Voltage: 18~50V DC
PV Charge Max Input Voltage: 150V DC
PV Charge MPPT Efficiency: 99.50%
Solar Charging Model: MPPT
Charge Temperature: 0 ~ 40°C

Overload Ability: 120% < load < 130% @10min; 130% < load < 150% @10s

Wiring: 120V AC Wall Plug (Optional AC Wall Charging for Battery)

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

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The Larson Electronics SPLT-QP-XL-RPS-1.5K Portable Solar Panel System is designed for remote locations without reliable access to grid power. A 60-cell, 265-watt solar panel is available for harvesting sunlight, mounted on an aluminum quadpod. Operators have access to a 1500Wh li-ion battery pack, which features AC and PV charging.

The SPLT-QP-XL-RPS-1.5K is a complete and portable solar-powered solution for remote locations. This unit consists of one 265-watt multi-crystalline solar panel and a 1500Wh li-ion battery pack with AC/PV charging capabilities. The 60-cell solar panel is mounted on an aluminum quadpod for elevated positioning.

Solar Panel: The solar-powered system features modules that offer the highest average output of any crystalline module. The 265-watt solar panel`s proven junction box technology has 12 AWG PV wiring and works with transformerless inverters. Locking plug-in connecters offer operators safe and quick connections.

Battery Pack: The SPLT-QP-XL-RPS-1.5K is supported by a rechargeable li-ion battery with 1500Wh capacity. The unit comes with versatile AC and PV charging options. For seamless transportation and handling, a pop-up handle may be deployed, which is located at the top of the battery pack. Illuminated green indicators display the charging status of the unit when it is in use. A button activation system allows operators to toggle the power of the battery pack on/off.

Standard output power for this unit is 500W with peak output reaching 700W. The battery pack supports 120V AC/240V AC-60Hz output voltages and frequencies. A Type G AC output socket/charging cable is supported by this unit. This product can be charged using solar panels (PV) with a max input voltage of 150V DC and MPPT input voltage of 18~50V DC. AC charging options include 88~264V AC input voltage with 327W max charge power.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

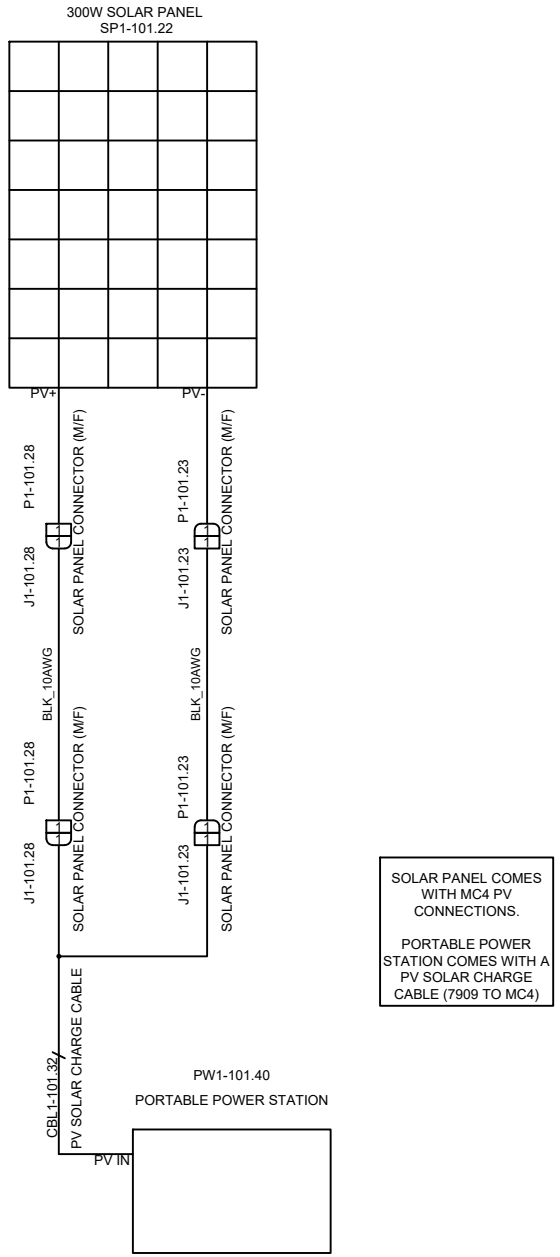
Mounting: The solar panel is mounted on an aluminum quadpod mount that allows for simple and easy movement around temporary work areas and easy deployment, transportation and storage. This mounting component is powder coated which allows it

to resist corrosion, resulting in increased durability. A glossy blue powder coat color contributes to the aesthetics of the unit.
Applications: Remote locations, camp sites, emergency services, security checkpoints, law enforcement and more.
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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	09-23-2024

SPLT-QP-XL-RPS-1.5K-120V

LARSON ELECTRONICS®



SOLAR PANEL COMES WITH MC4 PV CONNECTIONS.

PORTABLE POWER STATION COMES WITH A PV SOLAR CHARGE CABLE (7909 TO MC4)

TAGS	QTY	CATALOG	DESCRIPTION
P1-101.28	2	UNV00001349	SOLAR PANEL CONNECTOR - MALE
J1-101.23	2	UNV00001350	SOLAR PANEL CONNECTOR - FEMALE
SP1-101.22	1	UNV00005453	300W Solar Panel
PW1-101.40	1	UNV00005442	Portable Power Station 1000W 1500WH LI-ION BATTERY

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9419 E US HWY 175,
KEMP, TX 75143

TITLE: SPLT-QP-XL-RPS-1.5K-120V

DRAWN BY	DATE	REV
J.Maldonado	09-23-2024	A
CHECKED BY	SHEET #	DRAWING #
A.Hirsh	1 OF 1	101

Frequently Asked Questions (FAQ)