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SPLT-SKM-S2-NA-LM20-NB-M1

20' Portable Solar Tower - Solar Panel Holders, (1) N3R Enclosure - Manual Crank Mast/Skid Mount

Product ID: 280798

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.

SPLT-SKM-S2-NA-LM20-NB-M1 Skid Solar Mast

Mast Specs

Tower Length: 12' to 20'
Stages: 5
Capacity: -
Mast Head Length: 44"
Materials: Steel
Finish: Powder Coated - Gloss Blue
Operation: (1) 2,500 lbs Manual Hand Crank Winch
Mast Cable: 3/16" Galvanized Aircraft Cable

Solar Panel Mounting Specs

Panel Holders: Mounting Provisions for up to (3) 300W 64.9"L x 39.1"W x 1.38"H Solar Panels
Expansion: Expandable up to (4) Panels w/ Additional Slider Set
Method of Deployment: Sliders, Adjustable Tilt
System Voltage: -
Battery Bank: -
Charge Controller: -

Skid Mount Specs

Materials: -

Storage Dimensions: 87"-H x 40.5"-W

Deployed Dimensions (Maximum): 243"-H x 62.13"-W

Summary

12' to 20' Mast
Steel Construction
Powder Coated Finish
125 mph Wind Resistance
Manual or Optional Electric Operation
Fully Solar, No Fuel Needed
Removable Mast Head
Fits in 53' Trailer or Shipping Container
NEMA 3R Enclosure
Solar Panels Not Included

Electrical Enclosures: (1) Hinged Door, N3R
Mount: Skid Mount

Weight: +-600 lbs
Shipping: Common Freight
Shipping Dimensions: -
Shipping Weight: +-600 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements
Contact us for special requirements

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Made in the USA

The Larson Electronics SPLT-SKM-S2-NA-LM20-NB-M1 Portable Solar Tower provides a safe and effective way for operators to quickly deploy customer-provided equipment to elevations up to 20 feet. Secured on a skid platform with skid pockets, this system has a telescoping tower that folds over for easy transportation, a rotating boom that allows for 360° rotation, a removable mast head and solar panel holders for up to three panels. Equipped with a NEMA 3R electrical enclosure, customers must provide supporting devices to complete the system.

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

The SPLT-SKM-S2-NA-LM20-NB-M1 offers a reliable method to power equipment with solar panels in remote locations and outdoor sites. This system features a 20` telescoping mast, three solar panel holders (expandable up to four solar panels) and one NEMA 3R electrical enclosure. All system components are secured to a skid frame for seamless transportation. Customers can choose to upgrade this system to have four panels by adding sliders and another panel. These components are purchased separately.

This portable solar mast can easily be transported using a 53` trailer or shipping container. Multiple units fit inside a semi truck, shipping container, standard hauling trailer or back of a pickup truck. This feature makes the versatile unit an affordable option for a wide range of outdoor projects and applications.

Operation:

- (3) holders for 64.9"L x 39.1"W x 1.38"H solar panels (panels not included)
- (1) NEMA 3R rated electrical enclosure w/ hinged door
- All system components secured to a skid platform
- Entire system fits in a 53` trailer or shipping container

Lights: This solar-powered system does not come with lights. We can add flood lights, spotlights or additional infrared lights to this unit upon request and with additional costs.

PA System: This unit does not have a PA system. We can add a one-way or two-way system upon request and with additional costs.

Router/Wireless 4G Hotspot: The solar tower does not have a router or support wireless connections. We can add these capabilities at an additional cost.

GPS Tracking: This system does not feature GPS tracking (we can add GPS tracking at an additional cost).

LED Strobe: The SPLT-SKM-S2-NA-LM20-NB-M1 does not have an LED strobe light. We can add an LED strobe light (available in different colors) at an additional cost.

Mast: This telescoping five stage steel mast from Larson Electronics is designed to allow operators to quickly and safely deploy a variety of equipment in locations where it must be elevated to heights up to 20` for effective coverage. This mast can be extended to 20` above the skid base for maximum area coverage, and collapsed to 12` for applications where a smaller footprint is required. The tower is constructed of square steel tubing. The mast is extended to its full height using a manual crank winch with 3/16" galvanized steel cable.

A 44" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for equipment. When elevated to its full upright position, the mast can be rotated a full 360°. By

loosening the T-Handle, operators can rotate the mast with easy in either direction. The mast can be positioned in one of four different positions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with easy, and can typically be rotated with a single hand. The LM series of towers are powder coated with glossy blue finish for corrosion resistance and aesthetics.
The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 12`, the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.
Solar Panel Assembly: Solar panels are not included with the system and must be provided by the customer. This unit contains mounting provisions for up to three, 64.9"L x 39.1"W x 1.38"H solar panels. The solar panel holders are secured to the skid frame. During deployment, two solar panels slide outwards forming a 3-panel system. One of the panels is fixed onto the skid. The customer-provided panels can be tilted upwards for maximum sunlight intake.
We can upgrade this unit to a 4-panel system by adding sliders and another panel (components are purchased separately).
Batteries: This unit does not feature any batteries. We can add batteries at an additional cost.
Solar Charge Controller: The solar-powered system does not have a charge controller. We can add one at an additional cost.
Battery Charger: The system does not have a battery charger. For systems with a battery charger, the component is plugged into the backup generator (if one is available on the model) by default. The battery charger can be unplugged for charging with local power sources.
Inverter: This unit does not have an inverter. We can add one at an additional cost.
Backup Generator: This solar tower does not have a backup generator. We offer models with gasoline, LPG/LNG or diesel backup gensets (may come with additional costs).
Enclosures: One NEMA 3R rated electrical enclosure with a hinged door is available on the skid platform for customer-provided equipment, installations and devices.
Skid Mount: All components are secured on a heavy-duty skid platform with skid pockets. Equipped with pillow block bearings, the frame features 5-degree pivot plates.
Solar Security Tower Benefits: Larson Electronics solar security towers offer up to five power sources, when equipped with a wind generator. Standard models are powered by solar panels and can be upgraded with a backup fuel generator, battery charger, wind generator or power cord for direct connection to nearby outlets (these features come with additional costs). A combination of power sources can be added to systems for increased reliability in remote areas.
A key benefit in Larson Electronics solar tower surveillance systems is the ability to save and playback recordings for documentation. When combined with routers and other communication devices, operators can easily access recordings from computers, laptops, tablets or mobile phones. Antennas may also be added for extending wireless coverage.
Compared to manpower surveillance, our solar security masts are more cost effective and consistent. This is because these units can be deployed continuously without any breaks for long periods of time and in rainy or cold outdoor conditions. As a scalable solution, it also costs less to expand coverage and monitoring duration. Manpower surveillance requires meticulous schedule management, extra overtime payment (for operations exceeding 8 hours) and does not offer reliable recording of incidents.
Applications: Live events, law enforcement, military, commercial, industrial facilities, remote locations 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.

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Frequently Asked Questions (FAQ)



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- **HigResPic1**
- **HigResPic2**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**