Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

SPLT-SMJB-0.3K-LP16-2XWP60-AT-MS-BC-M1

16' Solar Security Tower on Skid Base - (1) 300W Panel, (2) LED Lights w/ MS, Timer - 120aH Battery Bank

Product ID: 275554

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-SMJB-0.3K-LP16-2XWP60-AT-MS-BC-M1 Outdoor Security Tower

Light Mast Specs
Tower Length: 16 Feet
Stages: 3
Operation: Manual Push Up - Lockable at Height
Materials: Steel
Finish: Powder Coated - Gloss Blue
Mast Head: 24" T-head

Solar and System Specs
Panels: (1) 300W
Method of Deployment: Fixed Mount
System Voltage: 12 Volts
Battery Bank: 120aH Lithium-iron Phosphate Battery Bank
Battery Capacity: -
Charge Controller: -
Runtime: Battery Bank Will Operate for 8+ Hours on Fully Charged Battery Bank

LED Light Specs
Lamp Qty: (2)
Lamp Type: LED
Voltage: -
Total Watts: 120W
Single-lamp Watts: 60W

Summary
16` Security Mast
Steel Construction
Powder Coated Finish
125 mph Wind Resistance
Manual or Optional Electric Operation
(1) 300 Watt Solar Panel
Fully Solar, No Fuel Needed
Lockable Job Box
Waterproof/Vapor Proof LED Lights
Adjustable LED Light Heads (Rotation/Tilt)

Total Lumens: 12,000 lms
Single-lamp Lumens: 6,000 lms
LED Life Expectancy: 50,000+ hours
Lighting Configuration: Flood Beam
Sensor Type: Motion Sensor
Operating Modes: Timer, Motion Sensor, Manual On
Materials: -
Mounting: Tower

Skid Mount Specs
Materials: Steel

Dimensions: -

Leveling Jacks: (4) 600 lbs Rated
Skid Pockets/Lifting Eyelets: -
Job Box Enclosure: Included, Lockable

Wheels: -

Tires: -
Weight: +-600 lbs

Shipping: Common Freight
Shipping Dimensions: 8`-L x 8`-W x 12`-H

Shipping Weight: +-600 lbs

Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

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

Made in the USA
The Larson Electronics SPLT-SMJB-0.3K-LP16-2XWP60-AT-MS-BC-M1 Solar Security Tower provides a safe and effective way for operators to quickly deploy lights to elevations up to sixteen feet in remote areas, construction sites and commercial locations. This solar light plant features a manual push up mast, two LED lights, job box, one 300-watt solar panel and 120aH lithium iron phosphate battery bank. The battery bank will operate for 8+ hours on a fully charged battery bank.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS
This outdoor security mast enables wide-area monitoring in remote sites, including outdoor areas, construction sites, parking lots, commercial locations, events, roadway projects and more. This system includes a 16-foot manual push up mast, 300-watt solar panel, charge controller, battery bank, two LED lights and lockable job box. The entire assembly is mounted onto a skid platform with four leveling jacks, allowing operators to transport this portable security tower from location to location. During transportation, the LED lights can be stored inside the job box.
LED Light Fixtures: This solar light plant is equipped with two, 60-watt high output LED light fixtures. Each unit offers 6,000 lumens during use (12,000 total lumens). The mounting assembly provides rotation and tilt to allow the user to position the unit as desired. These waterproof and vapor proof LED lights are equipped with a motion sensor for automated functionality. Operating modes include: timer, motion sensor and manual light operation. For dark sky compliance, we can add glare shields to the system (at an additional cost).
LED Technology: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.
Light Mast: This three stage steel light mast from Larson Electronics is designed to allow operators to quickly and safely deploy equipment in locations where it

must be elevated to heights up to 16` for effective coverage. Once the desired height is reached, the mast can be locked in place. The mast is extended to its full height manually. A 24" mast T-head supports the two LED fixtures at the top of the tower.

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 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. Four 600 lb hand crank leveling jacks are used for leveling. When lowered to a collapsed position, 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: This unit is comprised of one 300-watt solar panel, generating a total maximum output of 0.3 KW. The panel is mounted to the stationary assembly and can be locked at an angle for optimized light intake. The panel is wired to the solar charger control box, which manages the charging system and hosts a charge controller. Operators are provided access to a 120aH lithium iron phosphate battery bank.

Component Control Center: All the electrical components are encapsulated in a job box that is bolted to the skid platform The job box that contains the component control system includes locks for security purposes.

Skid Mount Assembly: All system components are secured on a heavy-duty skid platform. Operators may pick the unit from the side by positioning forks on sides of wheels. This system can fit in the back of standard pickup truck beds, trailers or inside enclosed trailers, as well as shipping containers. Four 600 lb rated leveling jacks are available for stable deployment. The leveling jacks can be rotated (along with folded solar panels and collapsed mast) for seamless storage.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

Frequently Asked Questions (FAQ)

SPLT-SMJB-0.3K-LP16-2XWP60-AT-MS-BC-M1

Product ID: 275554

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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