

LM-30-5S-WF-1X170AH.LI-BC.120V

Portable Trailer Mounted Equipment Tower - 30' to 9' Mast - (1) 170aH LI Battery Pack

Product ID: 278629

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.

LM-30-5S-WF-1X170AH.LI-BC.120V Trailer Mounted Equipment Mast

Mast Specs

Tower Length: 30` to 9`

Mast Head Length: 44"

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (1) 1,000lb Hand Winch

Mast Cable: 3/16" Galvanized Aircraft Cable

Cable Sheath: Sealtight Coiled Tubing

Dimensions (Collapsed): 133.9"-L x 65.678"-W x 380.913"-H

Dimensions (Extended): 133.9"-L x 65.678"-W x 128.913"-H

Quick Summary

30` to 9` Mast

Steel Construction

Powder Coated Finish

Removable Mast Head

(4) 1,000lb Leveling Jacks

125 mph Wind Resistance

Manual or Optional Electric Operation

Camera/Recording Devices Not Included

Battery Specs

Battery Pack: (1) 170aH Lithium-ion Battery, 170aH Usable w/ Charger

Runtime: -

Trailer Specs

Materials: Steel

Trailer Dimensions: 7.5`L x 7`W trailer bed- 10.75` total length

Hitch: 2" Ball Coupler

Wiring: 7-Pin Flat

Axle: 3,500lb

Suspension: 3,500 Lb 4-Leaf Double Eye Springs

Leveling Jacks: (4) 1,000 Manual Crank Leveling Jacks
Wheels: (2) 15" 5x4.5 Steel Rims
Tires: ST205/75/D15 H188
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
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Made in the USA

The Larson Electronics LM-30-5S-WF-1X170AH.LI-BC.120V Trailer Mounted Equipment Mast provides a safe and effective way for operators to quickly deploy customer-provided security devices to elevations up to thirty feet. This mast and trailer features a telescoping tower that folds over for easy transportation, a rotating boom that allows for 360° of rotation and a removable mast head for storage when not in use. A 170aH lithium-ion battery pack is included with the system.

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

This telescoping five stage steel equipment mast from Larson Electronics is designed to allow operators to quickly and safely deploy devices in locations where it must be elevated to heights up to 30' for effective coverage. This mast can be extended to 30' above the trailer floor for maximum area coverage, and collapsed to 9' for applications where a smaller footprint is required. The mast is extended to its full height using an included 1,000lb rated hand winch with 3/16" galvanized steel cable. The entire assembly is mounted onto a 7' single axle trailer, allowing operators to transport this portable tower from location to location.

Security Tower: 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 customers to mount cameras (not included). 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 ease 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 ease 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 1,000 lbs hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These jacks can be extended 2' out from the side of the trailer for added stability. When lowered to 9', the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.

Battery Pack: The equipment mast has a 170aH lithium-ion battery pack and charger. At full charge, the system can operate for three days at 8 hours per day or 2.5 days at 12 hours per day.

Trailer Assembly: The entire assembly is mounted to a 7.5' by 7', single axle trailer via six 1/2" anchor bolts. The two wheel trailer is equipped with 3,500 lbs axle and leaf springs with 15" trailer tires. A standard 2" ball coupling, two standard safety chains, and 7-pin flat trailer plug allow for easy hookup and towing. The trailer tongue can be removed for long term deployment. Four leveling jacks mounted to the corners of the trailer allow operators to level the trailer and provide stabilization during deployment. All trailer lighting complies with DOT/FMVSS regulations.

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)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)