

LM-25-3S-ATM-TLR

Mobile Communication Tower w/ Trailer - 12-25' - Antenna Mount Pole - Cell on Wheels - 360° Rotation

Product ID: 147844

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-25-3S-ATM-TLR Portable Communication Tower

Tower Specs

Tower Length: 12` to 25`

Antenna Pole Length: -

Antenna Pole OD: 2"

Capacity: 150 lbs

Materials: Steel

Finish: Powder Coated - Gloss Blue

Operation: (2) 1,000 lb Hand Winches, Electric Optional

Cable: 3/16" Galvanized Aircraft Cable

Quick Summary

12` to 25` Tower

Steel Construction

Powder Coated Finish

(4) 1,000 lb Retractable Outriggers

125 mph Wind Resistance

Manual or Optional Electric Operation

Cell on Wheels

Rotates 360° Once Elevated

Trailer Specs

Materials: Steel

Trailer Dimensions: 14-L` x 6`-W trailer bed

Hitch: 2" Ball Coupler

Wiring: 4-Pin Flat

Axle: 3,500lb

Suspension: 5,400 Lb 4-Leaf Double Eye Springs

Outriggers: (4) 1,000 lb Manual Crack Leveling Jacks - Retractable

Wheels: (2) 15" 5x4.5 Steel Rims

Tires: ST205/75/D15 H188

Weight: +-1200 lb

Special Orders - Special Requirements

Contact us for special requirements

Shipping: Common Freight
Shipping Dimensions: ~16.5'-L x 4'-W x 5'-H
Shipping Weight: +-1700 lb
Options: Length - Mounting - Fixtures / Call Us for Special Requirements

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Made in the USA

The Larson Electronics LM-25-3S-ATM-TLR portable communication tower is a cell on wheels that provides a quick way for operators to deploy equipment for mobile communication operations. This unit features a heavy-duty mast that can be elevated to 25 feet, a rotating boom that allows for 360° of rotation, and an antenna mount pole (located at the top of the tower). The entire assembly is mounted onto a 14' single axle trailer, allowing operators to transport this unit (folded over) from location to location.

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

The LM-25-3S-ATM-TLR is designed to allow operators to quickly and safely deploy mobile communication systems in temporary locations and remote sites. The tower can be extended to 25 feet for maximum area coverage and collapsed to 12 feet for applications where a footprint smaller is required. The tower is constructed of square steel tubing with a lower section 12 feet in length and 4 inches in diameter, middle section 10 feet in length and 3.5 inches in diameter, and an upper section 7 feet in length and 3 inches in diameter. Each section has 2 foot of overlap. The mast is elevated using an included 1,000 lb hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lb winch. This cell on wheels comes with an antenna mount pole (OD 2") at the top of the tower. Operators may use the trailer to store communication devices and other supporting equipment, such as cables, electronics, amplifiers, monitoring systems, cameras, handheld tools, lights and more.



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. This portable communication tower is mounted to a 14' by 6', 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. The trailer can support and haul an additional 3,500 lb of equipment. A standard 2" ball coupling, two standard safety chains, and 4-pin flat trailer plug allow for easy hookup and towing.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 1,000 lb hand crank leveling jacks are used for leveling. The jacks can be leveled by hand crank or attachment provided for power drills. These outriggers can be extended 2' out from the side of the trailer for added stability. When lowered to 13.5', the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.



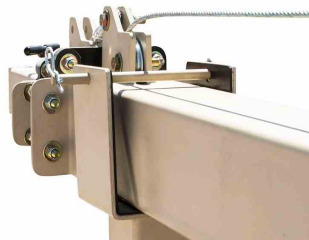
Retractable outriggers with 1,000 lb manual crank jacks and tail lights.

[Click Image to Enlarge](#)



Manual 1,000 lb hand crank winch for elevating and folding over the light mast on the LM-30-3S-ATM-TLR.

[Click Image to Enlarge](#)



Mast support bracket for securing the mast boom in the fold-over position during transportation.

[Click Image to Enlarge](#)



The LM-30-3S-ATM-TLR fitted with four HID-22-SL-REM 1000 Watt Metal Halide Light Fixtures

[Click Image to Enlarge](#)



Ready to Ship
[Click Image to Enlarge](#)



[Click Image to Enlarge](#)

This portable communication tower assembly weighs approximately 1,200 lb and can easily support/lift 150 lbs fixtures and other types of equipment. The entire tower assembly is shipped via common freight carrier or flatbed. Larson Electronics can customize these units according to customer requirements with longer sections and larger mounting plates. For example, the LM-40-4S is another model that reaches to a length of 40', with base section 11.25' in length, lower section 11.25' in length, an upper section 11.25' in length, and a top section 11.75' in length. Larson Electronics can custom build these towers to meet your overall and collapsed height requirements.

We also offer a choice of either manual or electric winches, finishing, and equipped light heads. Winch options include 1,000 lb hand winches (included standard) or optional electric winches for standard light towers, and heavy duty winches and hoists for high payload units. Powder coating color can be customized (the standard mast is gloss blue). Tower location on the trailer bed can be tongue mounted, front of the trailer bed, or center of the trailer bed. These towers can be fitted with Larson Electronics line of high output light heads, or customize the mast head to meet the mounting requirements for your equipment.

Suggested Applications: Mobile communication services, extending site capacity, site repair, disaster recovery, emergency communications, surveillance, military, outdoor operations, remote deployment, temporary deployment, outdoor events, emergency camps, security deployment 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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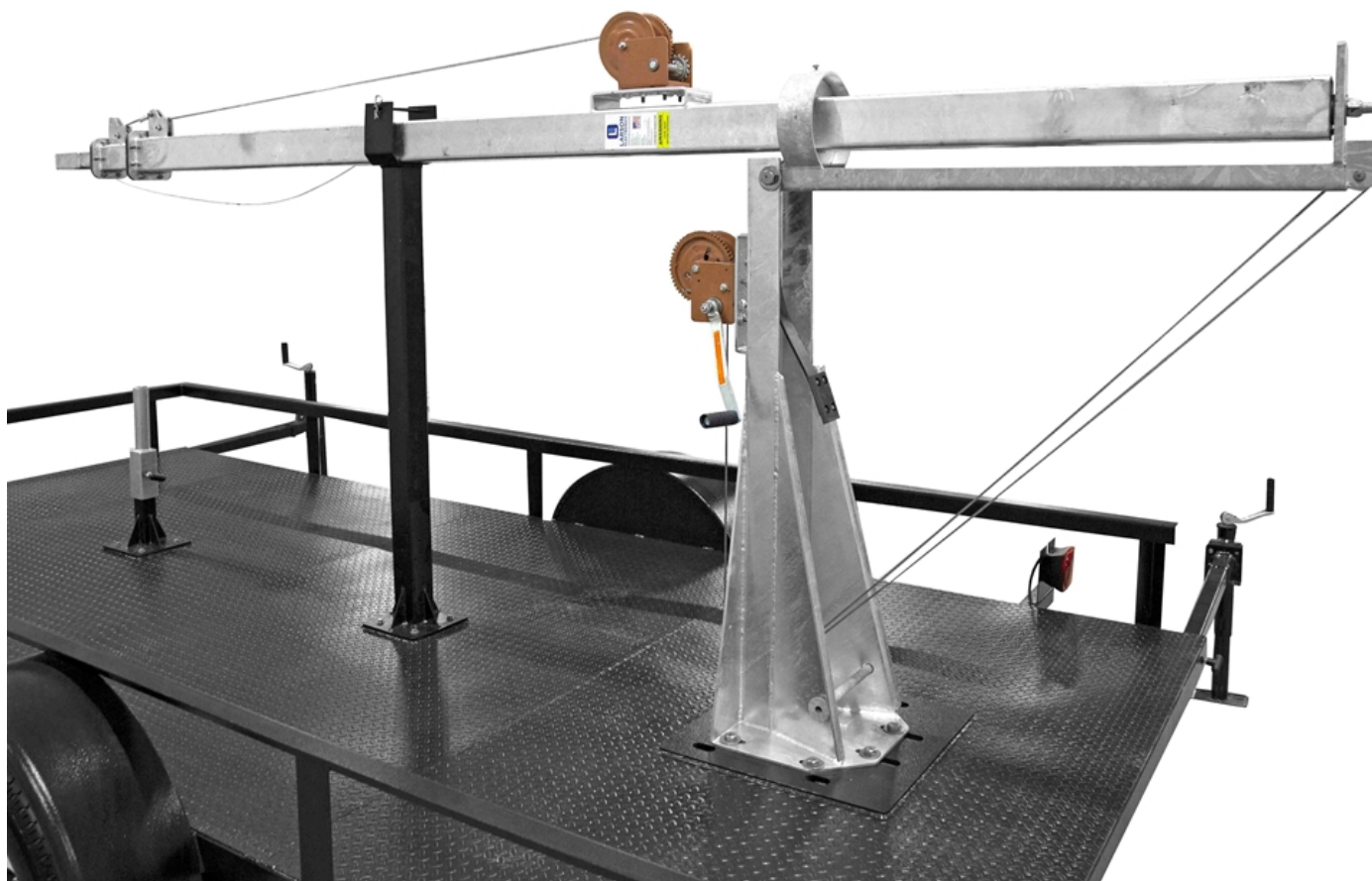
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Frequently Asked Questions (FAQ)









LM-25-3S-ATM-TLR

Product ID: 147844

Export Control Classification Number (ECCN): EAR99

Options:

LM-25-3S-ATM-TLR-Finish

Example: LM-25-3S-ATM-TLR-PWDC

Finish	
POWDER COATED	-PWDC
GALVANIZED	-GLVD

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)