

LM-SMWB-HLM100-250LB-ME-M1

100' Self-contained Megatower™ on Skid Mount - 250lbs Payload Capacity - Auto Retract, Fully Galvanized Finish

Product ID: 280661

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-SMWB-HLM100-250LB-ME-M1 Skid Mount Megatower™

Mast Specs

Tower Length: 12` to 100`

Payload Capacity: 250 lbs

Voltage Options: 120/240V 1-phase, 240V/120 3-phase or 208Y/120 3-phase

Materials: Heat Treated 6063B/T5 Aluminum

Finish: Fully Galvanized

Operation: Hydraulic

Quick Summary

12` to 100` Light Mast

Hydraulic Aluminum Mast

Steel Construction Skid Mount

Hydraulic Mast Operation

Powered Boom Deployment

Steel Skid Mount w/ Industrial Grade Paint Finish

Crane Pickeyes

Skid Mount Specs

Materials: Steel

Skid Dimensions: -

Outriggers: -

Windload Rating (before Auto Retract): 35mph w/ Guy Wires; 50 mph w/ Guy Wires to Ground - 60` Out from Trailer

Safety: -

Shipping: Common Freight

Shipping Weight: -

Special Orders - Special Requirements

Contact us for special requirements

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This unit is Made In USA - Manufactured in Texas

The LM-SMWB-HLM100-250LB-ME-M1 Self-contained Megatower™ on Skid Mount from Larson Electronics is a heavy-duty hydraulic equipment mast that provides a safe and effective way for operators to quickly deploy lights, cameras and other equipment to elevations up to 100'. Equipped with auto retract, the entire self-contained assembly is mounted onto a large skid mount for stable operation in rugged environments. The LM-SMWB-HLM100-250LB-ME-M1 features a payload capacity of 250 lbs and is fully galvanized.

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

The LM-SMWB-HLM100-250LB-ME-M1 equipment tower is a self-contained tower package. This unit operates on 120/240V single phase, 240V/120 three phase or 208Y/120 three phase and includes a hydraulic telescoping light mast which can elevate up to 250 lbs of equipment to heights up to 100'. Equipped with auto retract for robust stability during deployment, this mobile tower package is ideal for large scale event illumination, construction, mining, industrial operations and more.

This telescoping seven stage hydraulic equipment mast from Larson Electronics is designed to allow operators to quickly and safely deploy up to 250 lbs of lights, cameras, antennas and other equipment to heights up to 100'. This light boom can be collapsed to 12' for applications where a smaller footprint is required. The tower is constructed of heat treated aluminum tubing with 2.69' foot of overlap per section. The mast is elevated using an included hydraulic ram and extended to its full height using a second hydraulic system.

A 44" (1/4" thick) steel mast head is attached to the upper section of the mast which provides a strong and stable platform for up to 250 lbs of equipment.

Telescoping Boom: The hydraulic telescoping boom is constructed of heat treated aluminum with a galvanized finish and extends up to 100'. This boom is raised from and lowered to the folded position by a single hydraulic ram and is extended or retracted by a second hydraulic system.

Auto Retract: To prevent damage and shaking from strong winds during operation, this tower is equipped with a robust wind monitoring system. When exposed to strong winds, such as 40 mph, the system automatically retracts the mast for safe operation. In a retracted state, operators must re-adjust the height of the mast back to its original height (or another preferred height). This cutting-edge feature is designed to improve safety at industrial work sites.

This tower can withstand 35 mph winds before auto retract when fully extended, with standard guy wires. When guy wires are applied 60 feet out from the side of the trailer, the tower can withstand 50 mph winds before auto retract. When auto retract is activated, operators must send the mast back to its original position or preferred height setting.

Wiring/Controls: The LM-SMWB-HLM100-250LB-ME-M1 is equipped with a 125A main breaker panel to connect line-in power. The hydraulics and battery charger are also powered from within this breaker box. The mast elevation is controlled by a push button switch to operate the hydraulic ram allowing operators to raise the mast to the upright position. Vertical deployment is operated by a second push button switch allowing the unit to reach full height or retract to a collapsed height.

Voltage Options: The LM-SMWB-HLM100-250LB-ME-M1 is available in several voltage configurations including 120/240V single phase, 240V/120 three phase or 208Y/120 three phase. Please make your selection below when ordering.

Skid Mount: The entire unit is mounted onto a large skid mount system for incorporating all of the necessary lighting equipment/components in one, readily available package. This skid mount includes a front mounted storage area for stowing tools and accessories. The skid mount is finished in industrial grade Dupont™ paint for protection against rust and corrosion and provides an attractive finish. Overall dimensions of the entire mounting system and boom assembly in the stowed for travel configuration is 12' long by 5.7' wide. Pickeyes located at every corner of the unit are available for transporting via crane lift or air transport in remote locations.

Custom builds can be provided for higher wind speed resistance when fully raised.

We also offer a choice of finishing, equipped light heads, and with or without gensets. These towers can be fitted with Larson Electronics line of high output light heads, or with a customized mast head to meet the mounting requirements for your equipment. Optional diesel generators and fuel cells can be equipped from factory, or retrofitted after purchase.

Cold Weather Package: The LM-SMWB-HLM100-250LB-ME-M1 is designed to withstand extreme cold environments and harsh winters. The hydraulic system is equipped with a de-icing system to prevent the hydraulic lines and system from freezing from moisture building within system. This de-icing system uses an environmentally friendly (non-toxic) fluid. All hydraulic lines are equipped with cold weather rated hydraulic hoses rated for -65°C and fitted with metallic hardware. All the hydraulic controls are housed within an insulated and weather tight enclosure. This hydraulic control box features 1/2" thick polystyrene foam insulation and heat trace.

The hydraulic system features -65°C cold weather rated rubber hydraulic hoses with metallic fittings and a cold weather rated high viscosity hydraulic fluid. The battery system that powers the hydraulic system features a cold weather rated sealed acid glass mat 12 volt battery wrapped in a heated battery blanket. A cold weather rated battery charger keeps the 12 volt battery charged. All battery components are enclosed within a NEMA 3R housing. All electrical components are wired using cold weather rated SOOW cable with rated to -50°C that features high flexibility, and extreme abrasion, acid, oil, and water resistance even in sub-zero climates.

Suggested Applications: Temporary lighting, construction site illumination, outdoor event lighting, job site lighting and any other application that requires a self-contained source of illumination capable of covering a very large area effectively.

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)

LM-SMWB-HLM100-250LB-ME-M1

Product ID: 280661

Export Control Classification Number (ECCN): EAR99

Options:

LM-SMWB-HLM100-250LB-ME-M1-Voltage

Example: LM-SMWB-HLM100-250LB-ME-M1-120.240-1P

Voltage	
120/240V 1P	-120.240-1P
240V/120 3P	-240.120-3P
208Y/120 3P	-208Y.120-3P

Links (Click on the below items to view):

- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)