

AMERICAN TOWER CUSTOMER SERVICE

Lattice Series - Mobile Tower



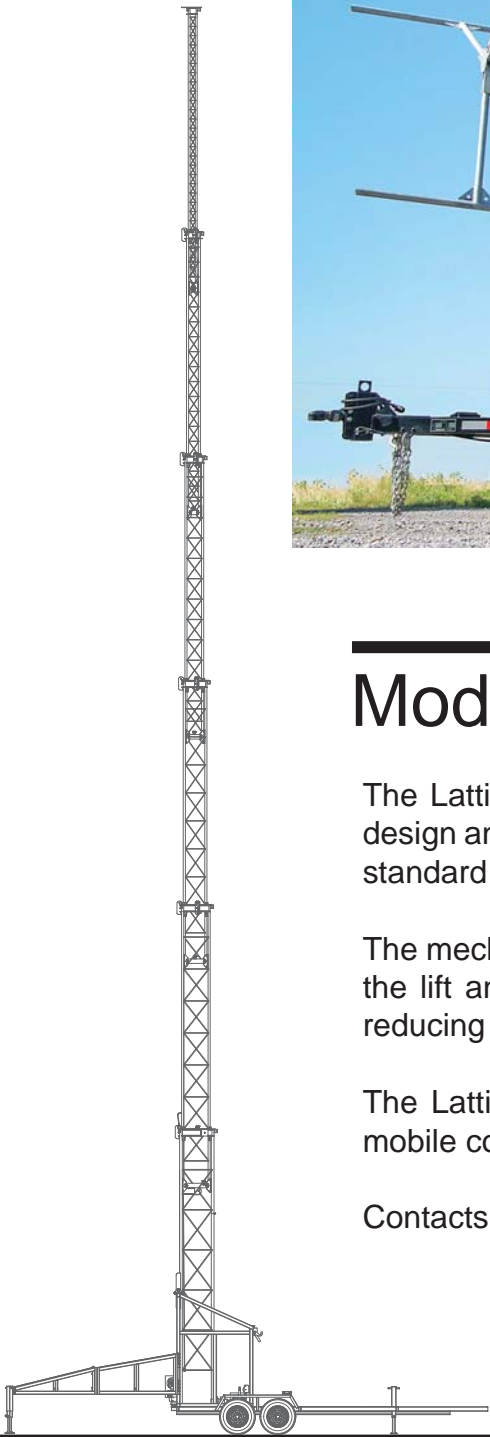
Modular - Reliable - Safe

The Lattice Series mobile tower is the culmination of over ten years worth of design and testing. It is the most robust mobile tower platform on the market with standard safety features to ensure your deployment stays up.

The mechanical advantage built into the design provides a safety factor for both the lift and tilt winches. Less stress is placed on the gear boxes and motors reducing the total cost of ownership.

The Lattice Series mobile tower will quickly become the work horse for your mobile communication deployments. It's what a mobile tower should be...

Contact us for regarding custom options and wind loading information.



Lattice Series Specifications

Tower	LS-40	LS-55	LS-72	LS-89	LS-106
Fully Deployed Height	40'	55'	72'	89'	106'
Minimum Deployed Height	22'	23'	24'	26'	28'
Tower Sections	2	3	4	5	6
Maximum Payload	1,200 lbs	1,050 lbs	850 lbs	750 lbs	650 lbs
Main Winch Cable Diameter	3/8"	3/8"	3/8"	3/8"	3/8"
Main Winch Cables Per System	2	2	2	2	2
Tower Section Cable Diameter	3/8"	3/8"	3/8"	3/8"	3/8"
Cables Per Tower Section	3	3	3	3	3
Main Winch Motor HP	1 HP	1 HP	1 HP	1 HP	1 HP
Tilt Winch Motor HP	1 HP	1 HP	1 HP	1 HP	1 HP
Main Winch Motor Brake	Y	Y	Y	Y	Y
Tilt Winch Motor Brake	Y	Y	Y	Y	Y
Drum Safety Lock	Y	Y	Y	Y	Y
Winch Torque	5,300 in lb	5,300 in lb	13,000 in lb	13,000 in lb	13,000 in lb
Sheave Type	Roller Bearing	Roller Bearing	Roller Bearing	Roller Bearing	Roller Bearing
Sheave Material	Nylatron GSM	Nylatron GSM	Nylatron GSM	Nylatron GSM	Nylatron GSM
Adjustable Tower Section Guides	Y	Y	Y	Y	Y
3-Sector Antenna Mount	Included	Included	Included	Included	Included
4-Sector Antenna Mount	Optional	Optional	Optional	Optional	Optional
6-Sector Antenna Mount	Optional	Optional	Optional	Optional	Optional
NEMA Rated Control Panel [UL/cUL]	Included	Included	Included	Included	Included
Trailer					
GVWR	14,000 lbs	14,000 lbs	14,000 lbs	14,000 lbs	14,000 lbs
Dual Axle Suspension	7,000 lbs	7,000 lbs	7,000 lbs	7,000 lbs	7,000 lbs
Deck Height	24"	24"	24"	24"	24"
Number of Axles	2	2	2	2	2
Transport Height	12' 6"	12' 6"	12' 6"	12' 6"	12' 6"
Transport Width	8'	8'	8'	8'	8'
Transport Length	33'	33'	33'	33'	33'
Curb Weight	8,100 lbs	8,300 lbs	8,700 lbs	9,100 lbs	9,500 lbs
12,000 lbs Leveling Jacks	4	4	4	4	4
17' Folding Outriggers	2	2	2	2	2
6' Outrigger	Optional	Optional	Optional	Optional	Optional
Powder Coat	Y	Y	Y	Y	Y
Storage Box	18" x 18" x 24"	18" x 18" x 24"	18" x 18" x 24"	18" x 18" x 24"	18" x 18" x 24"
Full Size Spare Tire	Y	Y	Y	Y	Y
DOT - Safety Chains	Y	Y	Y	Y	Y
DOT - Break Away Kit	Y	Y	Y	Y	Y
Standard 7-PIN Electrical Connector	Y	Y	Y	Y	Y
Wheel Chocks	Y	Y	Y	Y	Y
2-5/16" Ball Hitch	Y	Y	Y	Y	Y

Wind Loading - The standard tower design includes an engineering calculation (TIA/EIA 222 Rev. G) of a wind load of up to 80 MPH / 128 KPH.
All trailers meet Federal & Canadian Highway Lighting Standards (49.CFR571.108)