

RMTU480MDPLGO with DC Control System



MOBILE SURVEILLANCE SOLUTIONS

RMTU480MDPLGO with DC Control System

The RMTU480MDPLGO guys to outriggers to maximize system effectiveness while minimizing deployment time and situational risk. The tower is powered by 28VDC making it ideal for solar powered applications.

Height up to 80 FT

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Rapid Deployment

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Self-Supporting

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Guy to Outriggers

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DC Power System

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ISO 9001:2008

US TOWER CORP.

California, Kansas,
Alabama

www.ustower.com

559-564-6000



RMTU480MDPLGO with DC Control System

The RMTU480 is a Mobile Tower Unit that elevates to a height of 80 feet. The tower is a steel lattice type structure made up of four telescoping sections. The RMTU480 trailer is a high mobility, ruggedized unit designed specifically for the tactical environment. Each tower can be fully deployed in under 25 minutes, quickly establishing the needed electronic presence. This family of steel mobile telescoping lattice towers provides reasonable cost and reliable performance for short term and longer term installations. Once at the 80' height, the tower is locked into place and guyed to its outriggers utilizing US Tower's patented Rapid Deploy Guy Kit (RDGK).

Features:

- 80' Deployment
- 28 VDC System with NATO Slave Receptacles
- Rapid Deployment, Minimal Setup
- No Earth Penetrations Required
- Guyed to Outriggers / Trailer
- Patented Tension Indicator Assembly

Options:

- US Tower's patented Rapid Deploy Guy Kit
- Cold Weather Package
- DC Generator
- AC Power System
- Solar Package

Environmental Standards:

- LOW TEMPERATURE : (-10°/C operational) and (-15°/C Storage) per Mil-Std-810F Method 502.4 procedure I and I
- HIGH TEMPERATURE : (+49°/C operational) per Mil-Std-810F Method 505.4 Procedure I, Climate A1
- SOLAR RADIATION : (Three 24-hour cycles with 1120W/m² solar loading) Per Mil-Std-810F Method Diurnal Cycle
- HUMIDITY : (Ten 24-hour cycles @ 95% RH between +30°/C and +60°/C per Mil-Std-810F Method 507.4
- BLOWING RAIN : Rainfall rate 4 inches/Hr, (4) sides, 30 minutes per side, 40 MPH wind per Mil-Std-810F Method 506.4
- BLOWING SAND : Per Mil-Std-810F Method 510.4 procedure II
- BLOWING DUST : Per Mil-Std-810F Method 510.4 Procedure I



RMTU480MDPLGO with DC Control System SPECIFICATIONS

EXTENDED HEIGHT	80 FT	NUMBER OF AXLES	2
MINIMUM HEIGHT	27 FT	C-130 TRANSPORTABLE	YES
TOWER SECTIONS	5 @ 19 FT EA	ERECTABLE WIND SPEED	40 MPH
MAXIMUM PAYLOAD	650 LBS	MAXIMUM SAIL AREA	16 SQ FT
TRANSPORT HEIGHT	8 FT 4 IN	TIME TO ELEVATE MAST/TOWER	6.5 MINS
TRANSPORT WIDTH	8 FT 6 IN*	TIME TO LOWER MAST/TOWER	6.5 MINS
TRANSPORT LENGTH	30 FT	TIME TO TILT/RAISE MAST/TOWER	2 MINS
TRANSPORTABLE WEIGHT	10,200 LBS	DEPLOYMENT TIME (PERSONS/MINUTES)	2 / 25 MINS
TONGUE WEIGHT	710 LBS	DEPLOYED FOOTPRINT	37 FT x 34 FT
DECK HEIGHT	24 IN	TILT MECHANISM	2 HYDRAULIC RAMS

Notes: 1. Twist, Sway and Deflection may vary depending on the type of payload.

2. Weight excludes any payload or options.

3. All values shown are approximate and subject to change at the sole discretion of the manufacturer without notice.