



MTS4 Outdoor Cabinet

Motorola's MTS 4 Outdoor cabinet enables rapid, flexible and cost effective deployment of TETRA basestation sites in a robust platform.



Motorola's MTS 4 Outdoor cabinet is a robust solution which houses an MTS 4 basestation, supporting up to 4 carriers in a secure cabinet. The cabinet also accommodates up to 12U rack space for customer network equipment.

Rapid Deployment

The MTS 4 outdoor cabinet provides a secure, weather resistant housing for the MTS 4 basestation and customer network equipment. Capitalizing on the compactness of the MTS 4 basestation means that the cabinet is unobtrusive, while being sufficiently tough and rugged to allow deployment in difficult environments.

Robust

The MTS 4 outdoor cabinet supports up to 8 hours of battery back-up time for an MTS 4 basestation and any other installed equipment. In the event of a power outage, the cooling system will continue to operate on 48 VDC from the battery back-up system.

The cabinet is fully IP55 compliant, providing a secure and weather resistant environment for installed equipment.

Flexible

The use of the MTS 4 as the basestation component means that the outdoor cabinet will support a wide variety of antenna configurations.

For flexible installation and maintenance, the heat exchanger system is door mounted and will support operation in -30°C to +40°C ambient temperatures.

Cost Effective

Site operation costs are kept to a minimum through the use of a power efficient heat exchanger that consumes less than 120W.

The power efficiency of the MTS 4 basestation and heat exchanger system means that the required battery capacity requirements are kept low, reducing both capital and operational costs.

MTS 4 Outdoor Cabinet Specifications

KEY BENEFITS

- Reduced site operation costs through power efficient heat exchanger solution.
- Supports battery capacity for up to 8 hours back-up time.
- Provides IP55, secure environment for installed equipment.
- Includes 12U space for 19" rack mountable equipment.

PHYSICAL	
Dimensions (mm):	2022 x 830 x 1273
Weight (kg)	300 (enclosure only) 1000 (fully populated enclosure)
Battery:	Support for battery capacity for up to 8 hours back-up time

RF SPECIFICATIONS	
Frequency Range (MHz)	350 – 470 (Note: the RF specifications are the same as for the installed MTS 4 basestation)

ELECTRICAL	
Mains Supply (VAC)	220, 230 and 240 Max current, main fuse 3 x 16A

TYPE APPROVAL	
EMC:	EN 301 489-1 EN 301 489-18
Safety	EN 60950-1

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature (°C)	-30 to +40 (Note: +60°C is the maximum internal temperature)
Humidity	5% to 95% Relative Humidity

Storage Temperature (°C)	-40 to +80
Environmental Protection	IP55 according to EN60529:2001
Tested against Wind-driven Rain and High Wind TELCORDIA GR - 487	

TRANSPORTATION	
Transportation is possible with basestation and 4 hours back up time battery capacity.	

CAPACITY	
Supports all MTS 4 single cabinet configurations	

HEAT MANAGEMENT	
System	Heat Exchanger
Cooling Capacity (W/K)	100

(Note: allows 2000W heat dissipation at +60°C internal temperature)

Power consumption (W)	Max 120 (at 48VDC)
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SOUND	
Sound Pressure (dBA)	< 66 (full power duty point)

