

TME Standard 32 RU Enclosure

Ideal for Power Systems, BTS, WiMAX, Larger Outdoor Installations

Overview

Gain 32 RU of flexible space for housing outside plant electronic equipment with Telect's Standard Modular Enclosure. This fully configurable enclosure provides optimal protection and application versatility to streamline installation and simplify deployment.

All components – walls, hatches, interior rails – are compatible across multiple configurations. Features are user-configurable, enabling simple adaptability to specific application requirements and enabling the standardization on a single solution for a multitude of usages.

Choose a solution that fits your requirements – enclosures are available with a broad range of power, cooling, and alarm options. Seismic upgrade kits are also available.

Primary Benefits

- Application flexibility and scalability – can be grouped together to increase capacity
- Field reconfigurable – modular structure enables in-field changes and maximizes inventory
- Optimized for supply chain management and integration – helps to lower overall costs and increase efficiencies
- 32 RU provides ample space for power systems, BTS equipment, WiMAX gear, or combinations of components for multifunctional applications
- Factory- or field-installable seismic upgrade kit available



Applications

- Outdoor telecom applications
- Power systems, BTS, WiMAX and other larger outdoor applications

Specifications

Mechanical

Dimensions	66" H x 30" W x 29" D (1676 mm x 762 mm x 737 mm)
Material	Frame: Cold-rolled steel External panels: Aluminum
Finish	UL Pantone, almond, TGIC polyester powder coat, GR-487 certified
Equipment mounting	19"/23" (Universal EIA rails available in 8RU increments) Split rails available to mount different widths Adjustable flange location from front to rear of enclosure Mounting flanges accept 12-24 hardware

Enclosure Components

Side panels	Insulated single-wall AC feeder panel or double-wall construction with free air convection cooling through wall cavity
Solar top panel	Feature removable lifting eyes Available in various styles to help manage thermal influence of solar radiation
Doors/hatches	Left- and right-hinged doors include multipoint latch with single-handle operation Door handles accept standard padlocks Removable hatches with ¼-turn latches provide easy lift-off access where swing doors are not required Optional AC/HX/DAC units mount to either door and can be factory or field installed
Insulation	All panels, covers and doors either single-skin with foil-backed insulation (minimum R value of 2.0 on interior surface) or double-skin (solar design) Solar panels permit free air convection cooling through wall cavity

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Specifications (continued)

AC Power Components

Load center	Externally mounted NEMA 3R load centers rated at 100A or 200A Optional generator connections feature walking-beam type circuit breakers
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Environmental

Closed-loop system enclosures	Factory sealed and resistant to water, debris and corrosive agents GR-487 and NEMA 4X rated
Open-loop direct air cooling enclosures	Allow air flow throughout; water and dust resistant NEMA 3R, 4 and IP 55, 56 ratings available

Optional Configurations

Alarm system	Sensors available to monitor enclosure temperature, cooling system malfunction and fan failure, smoke detector and intrusion alarms
DC Power/battery backup	19" and 23" battery trays with a disconnect breaker Optional battery heater pad with thermostat Optional cover plate to prevent accidental contact with battery terminals/lugs
Zone divider	Environmentally seal sections of the enclosure

Cooling Systems

The following systems are compatible with Telect 32 RU enclosures. Additional configurations may be available; contact Telect for details.

Component	Manufacturer + Model
Air Conditioners (AC)	McLean T43 or T29 Dantherm CS030075 or CS030040
Heat Exchangers (HX)	McLean TX38-100 Dantherm PS035055
Direct Air Cooling (DAC)	Telect 300 or 600 cfm

Additional Accessories/Options

- Vertically oriented cable management rail
- Plinth for raising enclosure four inches
- Smoke detector
- Utility light inside front and rear access openings
- Laptop tray
- Enclosure light: AC fluorescent, DC LED