

TE40-2425

40" GR487 Dual Compartment Enclosure



Your Power Solutions Partner

- Dual compartment design provides operational cost savings using a heat exchanger to cool equipment in the sealed upper compartment and ambient cooling for batteries in the vented lower compartment
- 9RU of rack space in the top section provides room for rectifiers, distribution and customer equipment
- Pre-configured -48Vdc power system capable of delivering maximum power of 6kW (N+1)
- 40" tall, 24" wide and 25" deep provides a compact overall footprint ideal for oDAS applications
- Certified to GR-487 requirements, the enclosure is designed for high reliability and long operating life in extreme environments
- Battery Expansion Cabinet (BEC) allows for an additional string of -48Vdc batteries each rated at 180Ah or less

Alpha outdoor enclosures bring versatility and reliability to outdoor power systems for wireless market requirements. The TE40-2425 Outdoor Power Enclosure is a dual compartment enclosure; power and batteries; designed to provide 6kW of 48Vdc power to outside plant Telecom equipment, either as an upgrade or for new site installations. It is the ideal solution for oDAS applications where compact footprint and aesthetics are important factors.





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Consult your Alpha representative for P/N configurations

ELECTRICAL

Input voltage: 120/240Vac, 60Hz single phase
Output voltage: 48Vdc
Output power: 48V 6kW (N+1)
DC distribution: 18 breaker positions
AC distribution: AC load center

MECHANICAL

Base enclosure dimensions:
mm: 1016H x 610W x 635D
inches: 40H x 24W x 25D
Base enclosure w/ BEC dimensions:
mm: 1422H x 610W x 635D
inches: 56H x 24W x 25D
Base enclosure
Weight (no batteries): 115kg (253lbs)
Mounting: Plinth, Pole and Wall mount
Cooling: Heat exchanger for power compartment
Forced air ambient for battery compartment
Enclosure: Aluminum, 5052-H32
Rack units: 19", 9RU (UC)

ENVIRONMENTAL

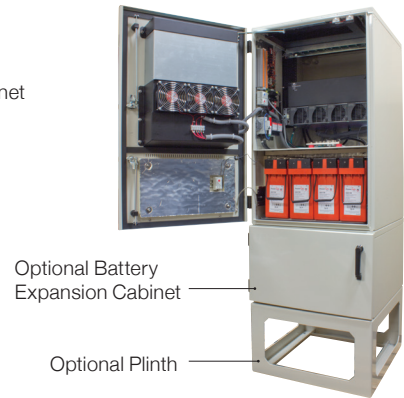
Operating temperature:... -40 to +46°C (-40 to 115°F)
Storage temperature: -40 to +85°C (-40 to +185°F)
Humidity: 0 to 95% non-condensing
Elevation: 3600 m, see operating temperature (12,000ft)
Weather tightness:..... NEMA Type 3R

OTHER INFORMATION

Alarm:
Connection: Terminal block
Description:..... High/low temperature, intrusion, fan fail, AC fail
Chassis ground: Multiple connection bus bar located in cabinet
Security:..... Pad-lockable doors with socket pin-head key

ENCLOSURE OPTIONS

- Wall Mount
- Pole Mount
- Plinth Mount
- Battery Expansion Cabinet
- AC surge protection
- DC surge protection
- AC generator
- Battery heater mat
- Meter socket
- AC load Centre



AGENCY COMPLIANCE

CSA: C22.2 No 60950-01-03
UL: Std. No 60950-01
CABINET: NEMA Type 3R (CSA C22.2 No 94-M91)
SEISMIC: Compliant to Zone 4 requirements
GR487: Compliant to GR487

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