

FlexSure® FLX16-2520

Power and Equipment Enclosure Solutions



Purcell System's Flexible EncloSure (FlexSure®) solution architecture allows the rapid creation and growth of virtually any outdoor cabinet configuration by leveraging pre-engineered common interchangeable components. The FlexSure® series is available in 12, 16, 20, 25, and 36 RU equipment bay options.

FlexSure® enclosures are UL 508 Listed, and certified by independent third-party Nationally Recognized Testing Laboratories to Telcordia GR-487. A wide range of thermal management system technologies and capacities ensures that the equipment you deploy in the cabinet will operate within its design parameters with the highest reliability and lowest Total Cost of Ownership. Options include battery backup, AC/DC power termination and distribution, cross connect and line protection, equipment and enclosure mounting features.

Applications

Provides a secure, thermally-controlled environment for any electronic equipment supporting a wide-range of Cable/MSO, Energy/Utility, Land Mobile Radio, Transportation, U.S. Government/Military, and Wireless and Wireline Telecommunication applications.

Product Features:

- Telcordia GR-487 certified, UL508 Listed
- Highly flexible and scalable
- Energy efficient advanced thermal solutions
- Field upgradeable
- AC and DC power options
- Pad, pole, wall, H-frame mounting options



The Purcell Advantage

Purcell Systems designs and manufactures thermally-managed outdoor enclosures that meet the exact needs of the enclosed equipment for network operators and utilities. Our enclosures provide comparable solutions to prefabricated buildings, containers and shelters at a fraction of the cost. Both standard and custom enclosures are delivered with the following capabilities:

Choice of Options: Pre-engineered and interchangeable modules provide optimal configurations with minimal cost and lead time.

Thermal Management: The industry's widest selection of heating and cooling systems ensures the most efficient thermal management solution with the lowest energy consumption.

Lowest Total Cost of Ownership: Engineering analysis and modeling ensures your enclosure configuration minimizes installation, maintenance, repair, capital, and operational expenses.

Equipment Integration and Staging: Electronic equipment can be staged and installed in our enclosures prior to final deployment and installation.

Fanatical Service®: A national service organization with 24/7/365 access means procurement, installation, support, and warranty requests are addressed immediately.

Dimensions and Expansion Options			Thermal Management Systems			
Exterior Dimensions		Rack Units	Air Conditioner	Heat Exchanger		
No plinth	25"W x 20"D x 30"H 635mm x 508mm x 762mm	16RU	2K BTU/hr 585W with 500W heater	39 W/°C 741W	70 W/°C 1330W	130 W/°C 2470W
4" plinth	25"W x 20"D x 34"H 635mm x 508mm x 864mm					
14" plinth	25"W x 20"D x 44"H 635mm x 508mm x 1118mm					
13" Battery Base	25"W x 20"D x 43"H 635mm x 508mm x 1092mm					

Specifications		
EXTERIOR	Mounting Options	Other Options
Construction <ul style="list-style-type: none"> • Frame: 0.090" (walls), 0.125" (base and top) Corrosion Resistant Aluminum; single wall construction • Insulation: Internal foil-backed insulation in top • Finish: Ultra-light gray polyester powder coat • Weight (Base Configuration): 105 lbs 	<ul style="list-style-type: none"> • Anchor Plate Kit for Concrete Pad Mounting • Pole Mount Kit • Wall or H-Frame Mount Kit • Plinth: 4" or 14" Height, standard footprint • Corrosion inhibiting pad gasket • Stack on FLX16-2520 or FLX12-2420 for increased capacity in same footprint 	<ul style="list-style-type: none"> • Convenience Outlets: 15 or 20A, GFCI or standard • Bonding and Grounding: Copper isolated or integrated, up to 24 positions • Alarm Blocks: Up to 24 positions (includes intrusion and thermal alarms) • 800 Watts -48VDC Heater • 6" high demark box • Cable access box (with battery pedestal) • Accessories: Optical fiber storage, Service light , document holder, equipment security partitions
Door/Side/Top Panels <ul style="list-style-type: none"> • Doors: Front and rear doors, left or right open; rear hatch • Door Handles: Pad-lockable • Door Hinges: Hidden hinges 	INTERIOR	OTHER
Cable Entry <ul style="list-style-type: none"> • Ingress/Egress: Knockouts on bottom/sides 	Equipment Mounting <ul style="list-style-type: none"> • 19" equipment rails; configurable locations front-to-back • 19" equipment rails; 10RU vertical equipment orientation • Second set of 19" equipment rails optional 	Agency Compliance <ul style="list-style-type: none"> • Telcordia GR-487 Issue 3 or Issue 4 • UL Listed – UL508A • UL Listed – UL60950-1 • Designed to UL60950-22 • NEMA 3
Battery Pedestal <ul style="list-style-type: none"> • Ventilated compartment • 13" Height; Supports up to (4) 100 Ahr 12 Volt batteries • Battery heater mat: 130 Watts • Compatible with pad, pole, or wall/H-frame mount 	AC Power Termination and Distribution <ul style="list-style-type: none"> • Load Center Location: internal to equipment bay • 6-12 position internal load centers • Up to 30 Amp Main Breaker • Surge Protection Device (SPD) • Generator Cable - 15 Amp 	Environmental <ul style="list-style-type: none"> • IP Protection: Designed to IP 54 • Maximum Earthquake Risk Zone-4 (as per Telcordia GR-63)
	DC Power Systems and Distribution <ul style="list-style-type: none"> • Multiple suppliers and configurations available • DC Distribution: Up to 20 GMT positions, up to 5 DC circuit breakers 	Warranty <ul style="list-style-type: none"> • 5 Years on Enclosure, 1 Year on Thermal System