

FlexSure® FLX12-2820

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	Heat Exchanger
No plinth	28"W x 20"D x 23"H 711mm x 508mm x 584mm	12RU 23" or 14RU 19"	39 W/°C 741W
4" plinth	28"W x 20"D x 27"H 711mm x 508mm x 686mm		
13" Battery Base	28"W x 20"D x 36"H 711mm x 508mm x 914mm		

Specifications		
EXTERIOR	Mounting Options	Other Options
Construction	<ul style="list-style-type: none"> Anchor Plate Kit for Concrete Pad Mounting Pole Mount Kit Plinth: 4" Height, standard footprint Corrosion inhibiting pad gasket 	<ul style="list-style-type: none"> Convenience Outlets: 15 or 20A, GFCI or standard Bonding and Grounding: Isolated or integrated, up to 11 positions Alarm Blocks: Up to 16 positions (includes intrusion and thermal alarms) Cable access box (with battery pedestal)
<ul style="list-style-type: none"> Frame: 0.125" Corrosion Resistant Aluminum; single wall construction Finish: Ultra-light gray polyester powder coat Weight (Base Configuration): 87 lbs 	INTERIOR	<ul style="list-style-type: none"> Agency Compliance Telcordia GR-487 Issue 2, Issue 3 Optional UL Listed – UL508A NEMA 3R
Door/Side/Top Panels	Equipment Mounting	OTHER
<ul style="list-style-type: none"> Doors: Front door, left or right open Door Handles: Pad-lockable Door Hinges: Hidden hinges 	<ul style="list-style-type: none"> 23" 12RU equipment rails; configurable locations front-to-back 19" 12RU horizontal mount with 19" 2RU vertical mount equipment rails 	Agency Compliance
Cable Entry	AC Power Termination and Distribution	Environmental
<ul style="list-style-type: none"> Ingress/Egress: Knockouts on bottom 	<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) 	<ul style="list-style-type: none"> IP Protection: Designed to IP54 Maximum Earthquake Risk Zone-4 (as per Telcordia GR-63)
Battery Pedestal	DC Power Systems and Distribution	Warranty
<ul style="list-style-type: none"> Ventilated compartment 13" Height; Supports up to (4) 92 Ahr 12 Volt batteries Battery heater mat: 130 Watts Compatible with pad or pole mount 	<ul style="list-style-type: none"> Multiple suppliers and configurations available DC Distribution: Up to 20 positions 	<ul style="list-style-type: none"> 5 Years on Enclosure, 1 Year on Thermal System

