

# FlexSure® FLX12-2420

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.



# FlexSure® FLX12-2420

Dimensions and Expansion Options			Thermal Management Systems		
Exterior Dimensions		Rack Units	Air Conditioner	Heat Exchanger	Thermoelectric Cooler
No plinth	24"W x 20"D x 23"H 610mm x 508mm x 584mm	12RU	2K BTU/585W with 500W heater	39 W/°C 741W	400W with heater
4" plinth	24"W x 20"D x 27"H 610mm x 508mm x 686mm				
14" plinth	24"W x 20"D x 37"H 610mm x 508mm x 940mm				
13" Battery Base	24"W x 20"D x 36"H 610mm x 508mm x 914mm				

Specifications		
EXTERIOR	Mounting Options	Other Options
<b>Construction</b>	<ul style="list-style-type: none"> <li>Anchor Plate Kit for Concrete Pad Mounting</li> <li>Pole Mount Kit</li> <li>Wall or H-Frame Mount Kit</li> <li>Plinth: 4" or 14" Height, standard footprint</li> <li>Corrosion inhibiting pad gasket</li> <li>Stack on FLX16-2520 or FLX12-2420 for increased capacity in same footprint</li> </ul>	<ul style="list-style-type: none"> <li>Convenience Outlets: 15 or 20A, GFCI or standard</li> <li>Bonding and Grounding: Copper isolated or integrated, up to 15 positions</li> <li>Alarm Blocks: Up to 16 positions (includes intrusion and thermal alarms)</li> <li>400 Watts -48VDC Heater ; 240 Watts +24VDC heater</li> <li>6" high demark box</li> <li>Cable access box (with battery pedestal)</li> <li>Side chamber optional (left side)</li> <li>Accessories: Optical fiber storage, Service light , document holder, equipment security partitions</li> </ul>
<ul style="list-style-type: none"> <li>Frame: 0.125" Corrosion Resistant Aluminum; single wall construction</li> <li>Finish: Ultra-light gray polyester powder coat</li> <li>Weight (Base Configuration): 82 lbs</li> </ul>	<b>INTERIOR</b>	
Door/Side/Top Panels	<b>Equipment Mounting</b>	
<ul style="list-style-type: none"> <li>Doors: Front and rear doors, left or right open; rear hatch</li> <li>Door Handles: Pad-lockable</li> <li>Door Hinges: Hidden hinges</li> </ul>	<ul style="list-style-type: none"> <li>19" equipment rails; configurable locations front-to-back</li> <li>Second set of 19" 12RU equipment rails optional</li> </ul>	
<b>Cable Entry</b>	<b>AC Power Termination and Distribution</b>	
<ul style="list-style-type: none"> <li>Ingress/Egress: Knockouts on bottom/sides</li> </ul>	<ul style="list-style-type: none"> <li>Load Center Location: internal to equipment bay</li> <li>6-12 position internal load centers</li> <li>Up to 30 Amp Main Breaker</li> <li>Surge Protection Device (SPD)</li> <li>Generator Cable - 15 Amp</li> </ul>	<b>OTHER</b>
<b>Battery Pedestal</b>	<b>DC Power Systems and Distribution</b>	<b>Agency Compliance</b>
<ul style="list-style-type: none"> <li>Ventilated compartment</li> <li>13" Height; Supports up to (4) 92 Ahr 12 Volt batteries</li> <li>Battery heater mat: 130 Watts</li> <li>Compatible with pad, pole, or wall/H-frame mount</li> </ul>	<ul style="list-style-type: none"> <li>Multiple suppliers and configurations available</li> <li>DC Distribution: Up to 20 positions</li> </ul>	<ul style="list-style-type: none"> <li>Telcordia GR-487 Issue 2, Issue 3 Optional</li> <li>UL Listed – UL508A</li> <li>NEMA 3R</li> </ul>
<b>Side Chamber</b>		<b>Environmental</b>
<ul style="list-style-type: none"> <li>Side chamber: left side, 12" depth</li> </ul>		<ul style="list-style-type: none"> <li>IP Protection: Designed to IP 54</li> <li>Maximum Earthquake Risk Zone-4 (as per Telcordia GR-63)</li> </ul>
		<b>Warranty</b>
		<ul style="list-style-type: none"> <li>5 Years on Enclosure, 1 Year on Thermal System</li> </ul>



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 specifications may change without notice