

FlexSure® FLX20-3030

Power and Equipment Enclosure Solutions



Purcell Systems' 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	Side Chamber Options	Heat Exchanger				Air Conditioner	
No battery pedestal	30"W x 30"D x 45"H 762mm x 762mm x 1143mm	20RU	+10"W +16"W	39W/°C 741W	70W/°C 1330W	99W/°C 1881W	130W/°C 2470W	2K BTU/585W with 500W heater	4K BTU/1172W with 1500W heater
14" battery pedestal	30"W x 30"D x 55"H 762mm x 762mm x 1397mm								
16" battery pedestal	30"W x 30"D x 57"H 762mm x 762mm x 1448mm								

Specifications		
EXTERIOR	Side Chamber	Other Options
Construction	<ul style="list-style-type: none"> Side chambers: One or two, 10" or 16" depth 19" or 23" Equipment rails 	<ul style="list-style-type: none"> Convenience Outlets: 15 or 20A, GFCI or standard
<ul style="list-style-type: none"> Frame: 0.090" Corrosion resistant aluminum, dual wall construction Finish: Ultra-light gray polyester powder coat Weight (Base Configuration): 245 lbs 	Mounting Options <ul style="list-style-type: none"> Anchor plate kit for concrete pad mounting Pole mount kit (up to 25 RU models) Plinth: 4" Height, standard footprint Corrosion inhibiting pad gasket 	<ul style="list-style-type: none"> Bonding and Grounding: Isolated or integrated, up to 10 positions Alarm Blocks: Up to 20 positions (includes intrusion and thermal alarms) Accessories: Document holder, service light, laptop tray
Door/Side/Top Panels	INTERIOR	
<ul style="list-style-type: none"> Doors: Front and rear doors, left or right open, front and rear hatches Door Handles: Pad-lockable Door Hinges: Hidden hinges Side Panels: Removable for field expandability for extra bays and side chambers 	Equipment Mounting	OTHER
	<ul style="list-style-type: none"> 19" or 23" Equipment rails: Configurable locations front-to-back Second set of 19" or 23" rails optional 	Agency Compliance
Cable Entry	AC Power Termination and Distribution	<ul style="list-style-type: none"> Telcordia GR-487 Issue 2 UL Listed – UL508A NEMA 3R
<ul style="list-style-type: none"> Ingress/Egress: Knockouts on bottom/rear/side Protection: Plastic/rubber glands 	<ul style="list-style-type: none"> Load Center Locations: Internal to side chamber, or internal to equipment bay 8-12 Position internal load centers Up to 100 Amp main breaker Surge Protection Device (SPD) Generator Inlet: 30/60/100 Amp 	Environmental
Battery Pedestal	DC Power Systems and Distribution	<ul style="list-style-type: none"> IP Protection: IP 54 Maximum earthquake risk Zone-4 (as per Telcordia GR-63)
<ul style="list-style-type: none"> Ventilated compartment 14" or 16" Height: Supports up to 190 Ahr -48 Volt batteries Battery Heater Mat: Up to 280 Watts Compatible with pad, pole, or wall mount 	<ul style="list-style-type: none"> Multiple suppliers and configurations available 	Warranty
		<ul style="list-style-type: none"> 5 Years on enclosure, 1 year on thermal system