FlexSure® FLX36-3030

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.

Purcell
SYSTEMS®
an EnerSys company

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 74"H 762mm x 762mm x 1880mm	36RU	+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	6K BTU/1758W with 1500W heater
14" battery pedestal	30"W x 30"D x 84"H 762mm x 762mm x 2134mm									
16" battery pedestal	30"W x 30"D x 86"H 762mm x 762mm x 2184mm									

Specifications

EXTERIOR

Construction
- Frame: 0.090" Corrosion resistant aluminum, dual wall construction
- Finish: Ultra-light gray polyester powder coat
- Weight (Base Configuration): 375 lbs

Door/Side/Top Panels
- 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

Cable Entry
- Ingress/Egress: Knockouts on bottom/rear/side
- Protection: Plastic/rubber glands

Battery Pedestal
- 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

Side Chamber
- Side chambers: One or two, 10" or 16" depth
- 19" or 23" Equipment rails

Mounting Options
- Anchor plate kit for concrete pad mounting
- Plinth: 4" Height, standard footprint
- Corrosion inhibiting pad gasket

INTERIOR

Equipment Mounting
- 19" or 23" Equipment rails: Configurable locations front-to-back
- Second set of 19" or 23" rails optional

AC Power Termination and Distribution
- 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

DC Power Systems and Distribution
- Multiple suppliers and configurations available

Other Options
- Convenience Outlets: 15 or 20A, GFCI or standard
- 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

OTHER

Agency Compliance
- Telcordia GR-487 Issue 2
- UL Listed – UL508A
- NEMA 3R

Environmental
- IP Protection: IP 54
- Maximum earthquake risk Zone-4 (as per Telcordia GR-63)

Warranty
- 5 Years on enclosure, 1 year on thermal system