

# FlexSure® FLX25-3030

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 54"H<br>762mm x 762mm x 1372mm | 25RU       | +10"W<br>+16"W       | 39W/°C<br>741W             | 70W/°C<br>1330W | 99W/°C<br>1881W | 130W/°C<br>2470W | 2K<br>BTU/585W<br>with 500W<br>heater | 4K<br>BTU/1172W<br>with 1500W<br>heater | 6K<br>BTU/1758W<br>with 1500W<br>heater |
| 14" battery pedestal             | 30"W x 30"D x 64"H<br>762mm x 762mm x 1626mm |            |                      |                            |                 |                 |                  |                                       |   |   |
| 16" battery pedestal             | 30"W x 30"D x 66"H<br>762mm x 762mm x 1676mm |            |                      |                            |                 |                 |                  |                                       |   |   |

| Specifications   |   |   |
|--|---|---|
| EXTERIOR   | Side Chamber  | Other Options   |
| <b>Construction</b>  | <ul style="list-style-type: none"> <li>Side chambers: One or two, 10" or 16" depth</li> <li>19" or 23" Equipment rails</li> </ul>   | <ul style="list-style-type: none"> <li>Convenience Outlets: 15 or 20A, GFCI or standard</li> </ul>                                      |
| <ul style="list-style-type: none"> <li>Frame: 0.090" Corrosion resistant aluminum, dual wall construction</li> <li>Finish: Ultra-light gray polyester powder coat</li> <li>Weight (Base Configuration): 285 lbs</li> </ul>   | <b>Mounting Options</b>   | <ul style="list-style-type: none"> <li>Bonding and Grounding: Isolated or integrated, up to 10 positions</li> </ul>                     |
| <b>Door/Side/Top Panels</b>  | <ul style="list-style-type: none"> <li>Anchor plate kit for concrete pad mounting</li> <li>Pole mount kit (up to 25 RU models)</li> <li>Plinth: 4" Height, standard footprint</li> <li>Corrosion inhibiting pad gasket</li> </ul>   | <ul style="list-style-type: none"> <li>Alarm Blocks: Up to 20 positions (includes intrusion and thermal alarms)</li> </ul>              |
| <ul style="list-style-type: none"> <li>Doors: Front and rear doors, left or right open, front and rear hatches</li> <li>Door Handles: Pad-lockable</li> <li>Door Hinges: Hidden hinges</li> <li>Side Panels: Removable for field expandability for extra bays and side chambers</li> </ul> | <b>INTERIOR</b>   | <ul style="list-style-type: none"> <li>Accessories: Document holder, service light, laptop tray</li> </ul>                              |
| <b>Cable Entry</b>   | <b>Equipment Mounting</b>   | <b>OTHER</b>  |
| <ul style="list-style-type: none"> <li>Ingress/Egress: Knockouts on bottom/rear/side</li> <li>Protection: Plastic/rubber glands</li> </ul>   | <ul style="list-style-type: none"> <li>19" or 23" Equipment rails, configurable locations front-to-back</li> <li>Second set of 19" or 23" rails optional</li> </ul>   | <b>Agency Compliance</b>  |
| <b>Battery Pedestal</b>  | <b>AC Power Termination and Distribution</b>  | <ul style="list-style-type: none"> <li>Telcordia GR-487 Issue 2</li> <li>UL Listed – UL508A</li> <li>NEMA 3R</li> </ul>                 |
| <ul style="list-style-type: none"> <li>Ventilated compartment</li> <li>14" or 16" Height: Supports up to 190 Ahr -48 Volt batteries</li> <li>Battery Heater Mat: Up to 280 Watts</li> <li>Compatible with pad, pole, or wall mount</li> </ul>  | <ul style="list-style-type: none"> <li>Load Center Locations: Internal to side chamber, or internal to equipment bay</li> <li>8-12 Position internal load centers</li> <li>Up to 100 Amp main breaker</li> <li>Surge Protection Device (SPD)</li> <li>Generator Inlet: 30/60/100 Amp</li> </ul> | <b>Environmental</b>  |
|  | <b>DC Power Systems and Distribution</b>  | <ul style="list-style-type: none"> <li>IP Protection: IP 54</li> <li>Maximum earthquake risk Zone-4 (as per Telcordia GR-63)</li> </ul> |
|  | <ul style="list-style-type: none"> <li>Multiple suppliers and configurations available</li> </ul>   | <b>Warranty</b>   |
|  |   | <ul style="list-style-type: none"> <li>5 Years on enclosure, 1 year on thermal system</li> </ul>  |



16125 East Euclid Avenue  
Spokane, Washington 99216  
509.755.0341  
www.purcellsystems.com

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