

# SiteFlex® SFX31-3031

Power and Equipment Enclosure Solutions



The SiteFlex® series uses pre-engineered interchangeable components to house a variety of outside plant equipment. Adjustable components, mounting options, and a wide variety of kits and accessories provide the exact enclosure configuration to deploy your equipment in any environment or location. Other options include battery backup, AC/DC power termination and distribution, cable management trays, emergency ventilation system, and external alarms.

Advanced thermal management systems include air conditioning, heat exchangers, direct air cooling, thermoelectric cooling, and passive solutions. The SiteFlex enclosure architecture allows the cabinet to be divided into multiple thermal zones supporting vastly different equipment operating characteristics with the highest reliability and lowest Total Cost of Ownership.

## 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:

- Energy efficient advanced thermal solutions
- Rugged seismic Zone 4 battery boxes; up to 4 tiers high
- FlexAir® door supports multiple thermal zones within cabinet
- Innovative RF Top T for efficient & accessible cable management
- Many easy to install field upgradeable features including thermal solutions
- AC and DC power options
- 24, 31, 37 and 42 RU equipment bay 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	Thermoelectric Cooler	Air Conditioner		Direct Air Cooler
No plinth	30"W x 31"D x 58"H 762mm x 787mm x 1473mm	31RU	400W with heater	2K BTU/hr 585W with 500W heater	4K BTU/hr 1172W with 500W heater	(2) 200 CFM Fan
4" plinth	30"W x 31"D x 62"H 762mm x 787mm x 1575mm					

Specifications		
EXTERIOR	INTERIOR	Other Options
<b>Construction</b>	<b>Equipment Mounting</b>	<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 11 positions</li> <li>Alarm Blocks: Up to 12 positions (includes intrusion and thermal)</li> <li>Accessories: Service light, high temp alarm, laptop tray</li> </ul>
<ul style="list-style-type: none"> <li>Frame: 0.090" Corrosion Resistant Aluminum; single wall construction</li> <li>Insulation: Internal 3/8" foil-backed insulation</li> <li>Finish: Ultra-light gray polyester powder coat</li> <li>Weight (Base Configuration): 350 lbs</li> </ul>	<ul style="list-style-type: none"> <li>19" or 23" equipment rails; configurable locations front-to-back</li> </ul>	
<b>Door/Side/Top Panels</b>	<b>Battery Containment</b>	<b>OTHER</b>
<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> </ul>	<ul style="list-style-type: none"> <li>Supports up to 3 tiers (4 batteries per tier) of 190 Ahr 12 Volt batteries</li> </ul>	
<b>Cable Entry</b>	<b>AC Power Termination and Distribution</b>	<b>Agency Compliance</b>
<ul style="list-style-type: none"> <li>Ingress/Egress: Knockouts on sides</li> </ul>	<ul style="list-style-type: none"> <li>Load Center Locations: external, or internal to equipment bay</li> <li>Up to 12 position internal load center</li> <li>Up to 16 position external load centers</li> <li>Up to 125 Amp Main Breaker</li> <li>Surge Protection Device (SPD)</li> <li>Generator Inlet - 30 Amp</li> </ul>	<ul style="list-style-type: none"> <li>UL Listed – UL508A</li> <li>NEMA 3R</li> </ul>
<b>Mounting Options</b>	<b>DC Power Systems and Distribution</b>	<b>Environmental</b>
<ul style="list-style-type: none"> <li>Plinth: 4" high; standard or extended footprint, critter guards</li> <li>Corrosion inhibiting pad gasket</li> </ul>	<ul style="list-style-type: none"> <li>Multiple suppliers and configurations available</li> <li>DC Distribution: up to 10 positions</li> </ul>	<ul style="list-style-type: none"> <li>IP Protection: Designed to IP54</li> <li>Up to Earthquake Risk Zone-4 compliant per Telcordia GR-63- Battery boxes only</li> </ul>
		<b>Warranty</b>
		<ul style="list-style-type: none"> <li>5 Years on Enclosure, 1 Year on Thermal System</li> </ul>