

SiteFlex® SFX42-3031

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, RF cable management trays, emergency ventilation system, and external alarms.

Advanced thermal management systems include air conditioning, heat exchangers, direct air cooling, and thermoelectric cooling. The SiteFlex® enclosure supports the FlexAir™ door that 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:

- Highly flexible and scalable
- Energy efficient advanced thermal solutions
- FlexAir™ door supports multiple thermal zones within cabinet
- RF Top for cable management
- Field upgradeable
- AC and DC power options
- Pad, pole, wall, and H-frame mount options
- 5, 17, 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	Air Conditioner			Emergency Ventilation System
No plinth or top	30"W x 31"D x 77"H 762mm x 787mm x 1956mm	42RU	6K BTU/1750W with 1.5kW heater	10K BTU/3000W with 1.5kW heater	12K BTU/3500W with 1.5kW heater	(2) 230 CFM Fan
4" plinth	30"W x 31"D x 81"H 762mm x 787mm x 2057mm					
9" cable access top	30"W x 31"D x 86"H 762mm x 787mm x 2184mm					
16" cable access top	30"W x 31"D x 93"H 762mm x 787mm x 2362mm					

Specifications		
EXTERIOR	INTERIOR	Other Options
Construction	Equipment Mounting	<ul style="list-style-type: none"> Convenience Outlets: 15 or 20A, GFCI or standard Bonding and Grounding: Copper isolated or integrated, up to 26 positions Alarm Blocks: Up to 24 positions (includes intrusion and thermal) Accessories: Service light, Laptop Tray, High Temp Alarm, Internal Equipment Security Partitions
<ul style="list-style-type: none"> Frame: 0.090" Corrosion Resistant Aluminum; single wall construction Insulation: Internal 3/8" foil-backed insulation Finish: Ultra-light gray polyester powder coat Weight (Base Configuration): 375 lbs 	<ul style="list-style-type: none"> 19" or 23" equipment rails; configurable locations front-to-back 	
Door/Side/Top Panels	Battery Containment	OTHER
<ul style="list-style-type: none"> Doors: Front and rear doors, left or right open; front rear and hatches Door Handles: Pad-lockable Door Hinges: Hidden hinges 	<ul style="list-style-type: none"> Supports up to 4 tiers (4 batteries per tier) of up to 190Ahr 12 Volt batteries 	
Cable Entry	AC Power Termination and Distribution	Agency Compliance
<ul style="list-style-type: none"> Ingress/Egress: Knockouts on sides Protection: Plastic/rubber glands Cable Entry/Raceway Top: Variable height top with up to four ingress/egress locations 	<ul style="list-style-type: none"> Load Center Locations: external or internal to equipment bay 16 position internal load centers 30-42 position external load centers Up to 100 Amp Main Breaker Surge Protection Device (SPD) Automatic & Manual Transfer Switches for Generator or Battery Back-Up Generator Inlet - 60 Amp 	<ul style="list-style-type: none"> UL Listed – UL508A NEMA 3R
Mounting Options	DC Power Systems and Distribution	Environmental
<ul style="list-style-type: none"> Plinth: 4" H; standard or extended footprint, critter guards Corrosion inhibiting pad gasket 	<ul style="list-style-type: none"> Multiple suppliers and configurations available DC Distribution: up to 8 positions 	<ul style="list-style-type: none"> IP Protection: Designed to IP54 Up to Earthquake Risk Zone-4 compliant per Telcordia GR-63- Battery boxes only
		Warranty
		<ul style="list-style-type: none"> 5 Years on Enclosure, 1 Year on Thermal System

