

SiteFlex® SFX74-6031

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	60"W x 31"D x 68"H 1524mm x 787mm x 1727mm	74RU	4K BTU/1175W with 1.2kW heater	10K BTU/3000W with 1.5kW heater	12K BTU/3500W with 1.5kW heater	(4) 230 CFM Fan
4" plinth	60"W x 31"D x 72"H 1524mm x 787mm x 1829mm					
9" cable access top	60"W x 31"D x 77"H 1524mm x 787mm x 1956mm					
18" cable access top	60"W x 31"D x 86"H 1524mm x 787mm x 2184mm					

Specifications		
EXTERIOR	INTERIOR	Other Options
Construction <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): 750 lbs 	Equipment Mounting <ul style="list-style-type: none"> • 19" or 23" equipment rails; configurable locations front-to-back 	<ul style="list-style-type: none"> • Convenience Outlets: 15 or 20A, GFCI or standard • Bonding and Grounding: Copper isolated or integrated up to 18 positions • Alarm Blocks: Up to 24 positions (includes intrusion and thermal) • Accessories: Document holder, service light, high temp alarm, laptop tray
Door/Side/Top Panels <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 	Battery Containment <ul style="list-style-type: none"> • Supports up to 2 tiers in Power Bay, up to 4 ties in Aux-Battery Bay (4 batteries per tier) of 190Ahr 12 Volt batteries 	OTHER
Cable Entry <ul style="list-style-type: none"> • Ingress/Egress: Knockouts left side • Protection: Plastic/rubber glands • Cable Entry/Raceway Top: Variable height top with up to 6 ingress/egress locations 	AC Power Termination and Distribution <ul style="list-style-type: none"> • Load Center Locations: external or internal to equipment bay • 16 position internal load center • Up to 42 position external load centers • Up to 200 Amp Main Breaker • Surge Protection Device (SPD) • Automatic Transfer Switch for Generator or Battery Back-Up • Generator Inlet - 100/200 Amp 	Agency Compliance <ul style="list-style-type: none"> • UL Listed – UL508A • NEMA 3R
Mounting Options <ul style="list-style-type: none"> • Plinth: 4" height; standard or extended footprint, critter guards • Corrosion inhibiting pad gasket 	DC Power Systems and Distribution <ul style="list-style-type: none"> • Multiple suppliers and configurations available • DC Distribution: up to 10 positions 	Environmental <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

