SiteFlex® SFX37-3031
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.

Purcell SYSTEMS
an EnerSys company

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 68"H 762mm x 787mm x 1727mm	37RU	4K BTU/1175W with 1.2kW heater	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 72"H 762mm x 787mm x 1829mm						
9" cable access top	30"W x 31"D x 77"H 762mm x 787mm x 1956mm						
18" cable access top	30"W x 31"D x 86"H 762mm x 787mm x 2184mm						

Specifications

EXTERIOR

Construction

- 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

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

Cable Entry

- Ingress/Egress: Knockouts on sides
- Protection: Plastic/rubber glands
- Cable Raceway Top: Variable height top with up to four ingress/egress locations

Mounting Options

- Plinth: 4" height; standard or extended footprint, critter guards
- Corrosion inhibiting pad gasket

INTERIOR

Equipment Mounting

- 19" or 23" equipment rails; configurable locations front-to-back

Battery Containment

- Supports up to 3 tiers (4 batteries per tier) of 190 Ahr 12 Volt batteries

AC Power Termination and Distribution

- Load Center Locations: internal to equipment bay
- 8-16 position internal load centers
- Up to 100 Amp Main Breaker

DC Power Systems and Distribution

- Multiple suppliers and configurations available
- DC Distribution: up to 3 positions

Other Options

- Convenience Outlets: 15 or 20A, GFCI or standard
- Bonding and Grounding: Copper isolated or integrated, up to 22 positions
- Alarm Blocks: Up to 24 positions (includes intrusion and thermal)
- Accessories: Service light, laptop tray, high temperature alarm

OTHER

Agency Compliance

- UL Listed – UL508A
- NEMA 3R

Environmental

- IP Protection: Designed to IP54
- Up to Earthquake Risk Zone-4 compliant per Telcordia GR-63- Battery boxes only

Warranty

- 5 Years on Enclosure, 1 Year on Thermal Systems