

SiteFlex® Transmission System Room

Power and Equipment Enclosure Solutions



The Transmission System Room (TSR), part of Purcell Systems' SiteFlex enclosure line, is an outdoor cabinet with an ultra-compact footprint, lightweight for quick and easy installation, and built to withstand harsh weather conditions. For maximum security against vandalism, critical hardware is internal to the enclosure.

Energy-efficient thermal management system technologies and capacities ensures that the equipment deployed in the cabinet will operate within its design parameters with the highest reliability and lowest Total Cost of Ownership; including low maintenance and energy costs.

Applications

Provides a thermally-controlled environment for wireless transmission equipment, AC and DC Power, battery backup, and auxiliary user space.

Product Features:

- Energy efficient advanced thermal system options depending on application and location
- Flexible options for cable ingress, egress, and management
- Quick and easy installation
- House up to two strings of 160 Ah batteries for maximum back-up capacity

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.



SiteFlex® Transmission System Room

Transmission System Room			Thermal Management Systems		
Exterior Dimensions		Rack Units	Direct Air Cooling	Air Conditioner	Emergency Ventilation System
No plinth	666mm x 737mm x 2003mm 26"W x 29"D x 79"H	26RU	400W	1400W 4.7K BTU/hr	800W

Specifications

EXTERIOR	INTERIOR	OTHER
Construction	Equipment Mounting	Environmental
<ul style="list-style-type: none"> • Frame: Material thickness #1mm / .039" corrosion resistant aluminum • Door: Single skinned aluminum with reinforced steel frame • Insulation: Internal 25mm / 1" insulation • Finish: Light Grey (RAL 7035) polyester powder coat • Weight (Base Configuration): 110 kg / 243 lbs 	<ul style="list-style-type: none"> • 19" equipment rails; configurable locations front-to-back 	<ul style="list-style-type: none"> • Operating Temperature: -33° to +55° C • IP Protection: IP 55 • Humidity: 100%
Door/Side/Top Panels	Battery Containment	Warranty
<ul style="list-style-type: none"> • Door: Front, left open • Door Handles: Cylinder lock • Door Hinges: Hidden hinges 	<ul style="list-style-type: none"> • Supports up to two tiers (4 batteries per tier) of up to 60 Ah 12 Volt batteries 	<ul style="list-style-type: none"> • 1 year
Cable Entry	DC Power Systems and Distribution	
<ul style="list-style-type: none"> • Ingress/Egress: Knockouts with blind cover on both sides • Protection: Plastic/rubber glands 	<ul style="list-style-type: none"> • Multiple suppliers and configurations available 	
Mounting Options		
<ul style="list-style-type: none"> • Concrete pad mounting 		