

# StreetFlex<sup>®</sup>

Slim DSLAM VDSL Enclosure

The StreetFlex<sup>®</sup> DSLAM/VDSL enclosure, serves as a durable and environmentally controlled cabinet for fast outdoor deployment in a digital subscriber network. The cabinet is used in a densely populated network with the possibility for future extension; side and back panels, roof and door are easily exchangeable.

Energy-efficient thermal management solution includes a cabinet-wall-integrated heat exchanger with extremely low power consumption. Blowers are used for long life time operation. The fan operation in combination with the mechanical layout provides superior acoustic performance.

The StreetFlex enclosure is the optimal solution for your deployment of VDSL equipment, power and batteries; leaves a small footprint, and will withstand harsh weather conditions.

#### Applications:

Provides a scalable, thermally-controlled environment for power and telecommunication equipment.

#### Product Features:

- Slim design for sidewalk deployments; small footprint
- Easily exchangeable parts for future expansion needs
- Power agnostic - supports multiple power system manufacturers
- Optimized climate systems for energy efficiency and acoustic performance
- Flexible options for cable ingress and egress
- Quick and easy installation



### 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.



StreetFlex		Thermal Management Systems
Exterior Dimensions		Heat Exchanger
Main Compartment	770mm x 288mm x 1400mm 30.3"W x 11.3"D x 55.1"H	400 W -48VDC
Top Extension	770mm x 288mm x 2200mm 30.3"W x 11.3"D x 86.6"H	
Side Extension	1250mm x 288mm x 1400mm 49.2"W x 11.3"D x 55.1"H	

## Specifications

EXTERIOR	INTERIOR	OTHER
<b>Construction</b>	<b>Equipment Mounting</b>	<b>Agency Compliance</b>
<ul style="list-style-type: none"> <li>• Frame: Material thickness 1,5mm / .039" corrosion resistant aluminum</li> <li>• Insulation: Internal 12mm / 1/2" insulation</li> <li>• Finish: Light Grey (RAL 7035) polyester powder coat</li> <li>• Weight (Base Configuration): 70 kg / 154 lbs</li> </ul>	<ul style="list-style-type: none"> <li>• Custom mounting arrangement per customer equipment requirements</li> <li>• Supports 20Ahr 48 Volt batteries</li> </ul>	<ul style="list-style-type: none"> <li>• CE Mark</li> </ul>
<b>Door/Side/Top Panels</b>	<b>Thermal Performance</b>	<b>Environmental</b>
<ul style="list-style-type: none"> <li>• Doors: Front door, left open</li> <li>• Door Handles: Pad-lockable</li> <li>• Door Hinges: Hidden hinges</li> <li>• Side Panels: Removable for field replacement and expandability for extra bays</li> </ul>	<ul style="list-style-type: none"> <li>• Cooling Capacity Range: 400 W of heat load (at dT of 15 °C)</li> <li>• Fan Type: Centrifugal fan -48 VDC speed controlled for low sound performance</li> <li>• Power Requirements (typical): 15-25 W</li> <li>• Acoustic Emissions (typical): &lt; 47 dB(A) day time; &lt; 39 dB(A) night time at 1m / 3.25 feet</li> </ul>	<ul style="list-style-type: none"> <li>• Operating Temperature: -40° to +70°C</li> <li>• IP Protection: IP 55</li> </ul>
<b>Cable Entry</b>	<b>AC Power Termination and Distribution</b>	<b>Warranty</b>
<ul style="list-style-type: none"> <li>• Ingress/Egress: Cable inlets on bottom</li> </ul>	<ul style="list-style-type: none"> <li>• Electrical outlet with RDC</li> </ul>	<ul style="list-style-type: none"> <li>• 1 year</li> </ul>
<b>Mounting Options</b>	<b>DC Power Systems and Distribution</b>	
<ul style="list-style-type: none"> <li>• Concrete pad mounting</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple suppliers and configurations available</li> </ul>	
	<b>Other Options</b>	
	<ul style="list-style-type: none"> <li>• Alarms: high temp, fan failure, temp sensor failure, low voltage disconnect</li> </ul>	

