The Power and Battery Cabinet, part of Purcell Systems’ SiteSupport enclosure line, serves as a durable and environmentally controlled cabinet for power equipment and batteries for outdoor deployments.

Segregated power and battery compartments utilize separate energy-efficient thermal management systems to ensure 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.

The cabinet is divided into top compartment for power equipment and a lower compartment for batteries with separate access doors for each compartment. The Power and Battery cabinet is the optimal solution for your deployment of power equipment and batteries; leaves a small footprint, and will withstand harsh weather conditions.

Applications
Provides a thermally-controlled environment for power equipment and batteries; feeding other telecom systems / enclosures.

Product Features:
- Power Agnostic—supports multiple power system manufacturers
- Optimized Climate Systems for each compartment promotes energy efficiency and savings
- Flexible options for cable ingress, egress, and management
- Quick and easy installation
- House up to three strings of 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.
### Specifications

#### Exterior

- **Construction**
  - Frame: Material thickness 1.5 mm / 0.060" steel (DX51D Z275 per EN 10346:2009)
  - Insulation: Internal 25 mm / 1" insulation
  - Finish: Light Grey (RAL 7035) polyester powder coat
  - Weight (Standard configuration with Climate System): 280 kg / 617 lbs

- **Door/Side/Top Panels**
  - Doors: Single skinned, insulated with reinforced steel frame
  - Doors: Front doors, left open.
  - Door Handles: Lock cylinder
  - Door Hinges: Hidden hinges

- **Cable Entry**
  - Ingress/Egress: Knockouts on bottom and sides. Blind covers on sides.
  - Protection: Plastic/rubber glands

- **Mounting Options**
  - Secured in bottom to concrete pad or rails

#### INTERIOR Power Compartment (Upper)

- **Equipment Mounting**
  - Power Compartment (upper): 19" or 23" equipment rails
  - Battery Compartment (lower): Supports up to 3 tiers (4 batteries per tier) of up to 170 Ah 12 Volt batteries
  - AC Power Termination and Distribution
  - Distribution Box for AC circuit breakers

- **DC Power Systems and Distribution**
  - Multiple suppliers and configurations available
  - Alarms: thermal systems, door intrusion, and high-temp alarms

#### Environmental

- Operating Temperature: -33° to +50 °C
- IP Protection: IP 55
- Humidity: 100%

#### Warranty

- 1 Year

### Power and Battery Cabinet

<table>
<thead>
<tr>
<th>Exterior Dimensions</th>
<th>Rack Units</th>
<th>Direct Air Cooling</th>
<th>Air Conditioner</th>
<th>Emergency Ventilation System</th>
</tr>
</thead>
<tbody>
<tr>
<td>No plinth</td>
<td>18 RU</td>
<td>900 W -48VDC</td>
<td>400 W 1.4K BTU/hr</td>
<td>100 W</td>
</tr>
</tbody>
</table>

#### Thermal Management Systems

- **Direct Air Cooling**
  - 900 W

- **Air Conditioner**
  - 400 W 1.4K BTU/hr

- **Emergency Ventilation System**
  - 100 W