Customized 2 Compartments Outdoor Power Cabinet Electrical Rack Enclosures IP55

Our Product Introduction

Basic Information

- Place of Origin: SHENZHEN
- Brand Name: daxin
- Certification: CE
- Model Number: ODC-210909C2T-2
- Minimum Order Quantity: 1 pcs
- Price: 1000 USD
- Packaging Details: Woodcase/ Paper box
- Delivery Time: 15-25 days
- Payment Terms: T/T
- Supply Ability: 10000pcs/month

Product Specification

- Jacket Od: 3.0mm
- Internal Size: W×D×H 900×900×2150mm
- Cabinet Lock: Anti-theft Three Point Lock
- Protection Level: IP55
- Cabinet Layout: One Compartment
- Battery Shelf No: One Battery Shelf
- Illumination: DC48V LED Lamp
- Layout: 2 Compartments
- Highlight: **1.8M Outdoor Power Cabinet**, **2 Compartments Steel Electrical Enclosures**, **Two Compartments Outdoor Electrical Cabinet**

Our Product Introduction

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Product Description

Customized 2 Compartments Outdoor Power Cabinet Electrical Rack Enclosures IP55

Electrical Rack Enclosures Technical Parameters:

Technical Parameters	Description
Product Name	Electrical Rack Enclosures
Cooling	Air conditioner and TEC
Size	Based on client's request
Cabinet Lock	Anti-theft Three Point Lock
Protection Level	IP55
Surface	Outdoor Powder Coating
Battery Shelf No	Two Battery Shelf
Other Accessory	Sensors
Cabinet Layout	Two Compartments, left for equipments, right for battery and power distribution
Inside design	19 inch rack and battery shelf
Power distribution	Customized

How to design a electrical rack enclosures?

1. Define Requirements

Purpose: Identify what equipment will be housed (servers, switches, etc.).
Size: Determine the dimensions based on the equipment size and quantity.
Weight Capacity: Ensure the enclosure can support the weight of all components.

2. Select Materials

Metal vs. Plastic: Metal is often preferred for durability and grounding.
Finish: Consider powder coating for corrosion resistance.

3. Cooling and Ventilation

Airflow Design: Include vents or fans to ensure proper cooling.
Heat Management: Plan for heat dissipation from equipment.

4. Accessibility

Doors: Design with front and rear access for easy maintenance.
Cable Management: Include pathways for cables to avoid tangling and interference.

5. Safety Features

Lockable Doors: Ensure security for sensitive equipment.
Grounding: Design for proper grounding to prevent electrical hazards.

6. Compliance Standards

Regulations: Check for industry standards (e.g., IEC, UL) that apply to your design.

7. Prototype and Testing

Build a Prototype: Create a sample unit to test functionality.
User Feedback: Gather input from potential users for improvements.

8. Final Design and Production

CAD Modeling: Use software to create detailed designs.
Manufacturing: Choose a reliable manufacturer for production.

Additional Considerations

Aesthetics: Consider the visual impact, especially for customer-facing environments.
Modularity: Design for easy upgrades or expansions.

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Shenzhen Daxin Intelligent Equipment Technology Co., Ltd

+86 15817363697 lubenzhi@szdxzh.com power-cabinets.com

Green Base Industrial Park, Longtian Street, Pingshan District, Shenzhen