



IP55 Rated Outdoor OEM Weatherproof Cabinet For Electrical Supply And Power Storage

Our Product Introduction

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Basic Information

- Place of Origin: SHENZHEN
- Brand Name: Daxin
- Certification: /
- Model Number: ODC-2109090C2T
- Minimum Order Quantity: 1 pc
- Packaging Details: Wooden case with pallet
- Delivery Time: 25-35 days
- Payment Terms: T/T
- Supply Ability: 8,000pcs/month



Product Specification

- 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
- Highlight: IP55 Rated Outdoor Power Cabinet, 1.8M Weatherproof Electrical Supply Cabinet, OEM Outdoor Power Supply Cabinet



More Images



Product Description

IP55 Rated Outdoor OEM Weatherproof Cabinet For Electrical Supply And Power Storage

IP55 Rated Outdoor OEM Weatherproof Cabinet Product Specification:

No.	Name/Description	Specification/Parameters
1	Outdoor Integrated Power Cabinet	A. External dimensions : W×D×H 900*900*2150mm; Internal dimensions: W×D×H 800*800*1800mm B. Cabinet composition: cabinet body + cabinet door + base + top cover + rack + cabinet lock C. Cabinet type: single unit, single compartment, front - door opening, floor - mounted D. Cabinet material: 1.5mm galvanized sheet; heat insulation: 45mm, base: 2.0mm E. Thermal insulation performance: thermal conductivity < 0.472W/(m ² ·K) F. Equipment layer rack: 4 - layer battery rack, supporting 3 sets of 48V 200AH lead - acid batteries G. Cabinet base: 100mm high, 2.0mm thick H. Cable entry: bottom - in and bottom - out, with a diameter of 50mm×4 I. Anti - theft design: embedded doors, embedded links, point - type anti - theft locks J. Protection level: IP55 K. Color: RAL7035, powder coating L. Screen printing of "Danger of Electricity" label on the cabinet; including grounding copper bar, LED light, door magnetic switch, and cooling fan (optional)
2	Lead - acid Battery	48V 100AH
3	TEC Air Conditioner	Cooling capacity: 200W, Can be replaced with a compressor air conditioner

IP55 Rated Outdoor OEM Weatherproof Cabinet Product Description:

Our Outdoor Power Cabinet is equipped with DC48V LED Lamps that provide adequate illumination for outdoor use. With this feature, you can be assured of a steady power supply, no matter the weather or time of day. The illumination feature makes it ideal for outdoor activities that require proper lighting.

The Protection Level of our Outdoor Power Cabinet is rated at IP55. This means that it is protected from dust and water, making it ideal for outdoor use. The jacket Od of 3.0mm ensures that the cabinet is sturdy enough to withstand any weather condition. You can be confident that your power supply is safe and secure in this cabinet.

The Outdoor Power Cabinet is designed to support battery size L×W×H 550×125×320mm. This ensures that you have enough space to store your battery, ensuring that it is safe and secure. The cabinet lock is an anti-theft three-point lock, which means that your battery and power supply are safe from theft.

Our Outdoor Power Cabinet is the perfect choice for anyone who needs an External Power Box for outdoor use. It is designed to meet all your power supply needs with its superior features. With its sturdy design, you can be confident that your power supply is safe and secure. The DC48V LED Lamps provide adequate illumination for outdoor use, making it ideal for outdoor activities that require proper lighting. The Protection Level of IP55 ensures that your power supply is protected from dust and water. The cabinet lock is an anti-theft three-point lock, which means that your battery and power supply are safe from theft.

Features:

Product Name: Outdoor Power Cabinet
Battery Shelf No: One Battery Shelf
Cabinet Cooling: Heat Exchanger And Fans, MTBF≥50000h.
Cabinet Lock: Anti-theft Three Point Lock
Internal Size: W×D×H 800*800*1800mm
Outdoor Electrical Cabinet
Weather Resistant Power Box
Weatherproof Power Cabinet

Technical Parameters:

Technical Parameters	Description
Product Name	Outdoor Power Cabinet, Weather Resistant Power Box,
Cooling Capacity	200W (TEC air conditioner)
Cabinet Lock	Anti-theft Three Point Lock
Protection Level	IP55
Surface	Powder Coating
Battery Shelf No	One Battery Shelf
Other Accessory	Door Sensor
Cabinet Layout	One Compartment
Cabinet Cooling	TEC Air Conditioner, 200W cooling capacity

Applications:

The ODC - 210909C2T External Power Box is a versatile solution for various industries.

Telecommunications

It's well - suited for housing equipment in cell towers, radio transmitters, and other communication systems. Its robust and weather - resistant design safeguards valuable equipment, ensuring functionality and reliability.

Transportation

In the transportation sector, it can power traffic signals, streetlights, and outdoor lighting. Its durability makes it perfect for harsh roadside conditions.

Renewable Energy

For the renewable energy industry, this power box is great for outdoor power storage. It can hold batteries, inverters, and other components of solar and wind power systems, protecting them from the elements.

Outdoor Events

It's also ideal for outdoor events, providing power for stages, sound systems, and lighting. Its compact size and durability facilitate easy transport and setup, and it remains operational in wet or humid conditions.

About Us



*Main equipment for cabinet processing
(Three main equipment)*



Laser



TRUMATIC500- Fully Automatic



TRUMATIC500- Fully Automatic
Japan AMADA - Fully Automatic

- 1500W: 1tower
- 3000W: 2tower

- Fast data punching: 4 units with automatic loading and unloading

- Japan AMADA: 7 units with automatic loading and unloading
- Model: EM-2510NT/AC-2510NT

Key process - general punching, bending, and riveting workshop



> Japan AMADA: 25 units
 > Model: RG-35S



> TOX riveting machine: 24 units



> Puchong: 5 units
 (160T+250T+300T)



Key Process - Copper and Aluminum Product Workshop (Integrated Cutting and Punching Machine)



> Copper bar integrated machine: 2 units
 > Model: LID-30
 > Features: high-precision automatic cutting and punching



Key Process - Welding Workshop

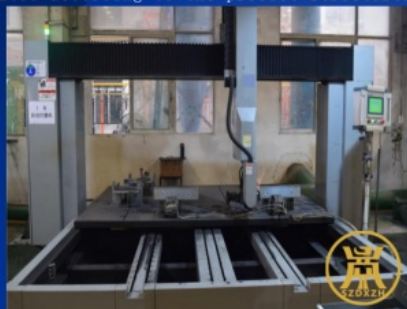


Fully automatic, 360 degree rotating welding line features: Welding accuracy: Welding displacement less than 1.5 mm, welding flip angle less than 0.1 degrees. Welding software: Our self-developed welding control software v1.3 version can store up to 128 welding programs. Scan the product code to initiate the welding program, automatically switch between dual platforms, seamlessly connect, and achieve uninterrupted welding. Welding dimensions: Product height 2.8 meters, width 1.5 meters, Welding capacity: 11 fully automatic welding robots and 47 welders. Monthly output of 20000 to 25000 cabinets.



Key Process - Polishing Workshop

- Automatic polishing machine: 2 units, equipment can be increased according to product demand.
- Manual polishing stations: 15, with manpower allocated according to the product structure.



Key Process - Metal Surface Treatment (Fully Automated)

Surface treatment line 1 (parts category)



Surface treatment 2-wire (cabinet type)



Surface treatment 2-wire (cabinet type):

- Full-process foolproofing: Unmanned operation, the system automatically performs surface treatment according to predefined process paths based on different materials, eliminating quality risks caused by human errors.
- Continuous monitoring: The system continuously monitors the pH level of the solution and automatically initiates the addition of the solution based on the monitoring results.
- Monthly capacity: Over 20,000 large cabinets



Key process - Metal parts electroplating workshop (automated assembly line)



Key process - Spray painting workshop (3 main lines+1 auxiliary line/small batch)

Reciprocating machine (automatic powder spraying)



Automatic Line 1



Characteristics of Spray Line:

- ◆ Characteristics of Spray Line: The system monitors the furnace temperature in real-time, and when the oven temperature does not meet the standard the system monitors the furnace temperature in real-time, and when the oven temperature does not meet the standard.
- ◆ Automatic spraying: Reciprocating machine automatic spraying ensures uniform thickness and aesthetic appearance of the coating.
- ◆ Equipment resources: 3 main lines+1 auxiliary line, which can simultaneously meet the needs of different colors.
- ◆ Daily production capacity: 15,000 to 20,000 square meters per day



Automatic Line 2



Automatic Line 3

Key Process - Product Assembly Workshop



Large cabinet assembly line



Small cabinet with assembly line



IPX6 Spray Water Testing System



Small chassis wiring assembly line



Outdoor cabinet product assembly line



High voltage product assembly line

Key process - outdoor cabinet waterproof testing assembly line

■ Pipeline standard: IPX1-IPX5 waterproof rating, which can be adjusted and matched according to product requirements.



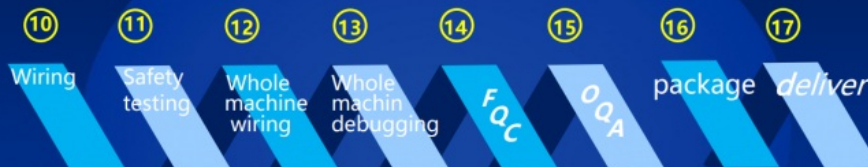
Key process - outdoor cabinet waterproof testing assembly line

■ Pipeline standard: IPX1-IPX5 waterproof rating, which can be adjusted and matched according to product requirements.



Supply capacity 2 - Complete machine assembly and commissioning

◆ There are a total of 8 production processes for electrical installation and debugging:



1. 15 standard assembly lines ensure better control over production efficiency.
2. Key positions for assembly require 220 people, testing requires 25 people, and process engineering requires 15 people, capable of fulfilling monthly delivery tasks for 20,000 complete units.
3. Various automated testing platforms guarantee product reliability and market quality.
4. Collaboration with world-class companies like Huawei ensures a comprehensive production model and high-quality management system.

Electrical installation workshop 1

5 matching frame insertion assembly lines



High-power product assembly



Product safety testing



High-voltage product testing



Electrical installation workshop 2



Cable harness workshop

- ✓ Dust-free workshop, compliant with 13485 and 16949 industry standards.
- ✓ The entire workflow, including cutting, stripping, crimping, sleeving, baking, assembly, labeling, and powering, is carried out on an assembly line. This ensures timely and complete sets with flexible supply capabilities, meeting various personalized needs.

production line



Packaging and Warehouse



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