



2 Compartments IP55 Waterproof Electrical Cabinet Internal Size 1600×900×2150mm Perfect for Outdoor Applications

Basic Information

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



Outdoor waterproof electrical cabinet:
1. Cabinet dimensions: 650*650*1200mm;
2. The cabinet is made of galvanized steel plate;
It includes a 18-inch rack with a height of 22U;
3. The cabinet comes with a 500W AC air conditioner;
4. Protection rating IP55;
5. Customization is available.



Product Specification

- Product Name: Outdoor Waterproof Electrical Cabinet
- Internal Size: W×D×H 1600×900×2150mm
- Cabinet Lock: Anti-theft Three Point Lock
- Protection Level: IP55
- Cabinet Layout: Two Compartment
- Battery Shelf No: Yes
- Illumination: LED LAMP
- Layout: 2 Compartments
- Highlight: **2 Compartments Outdoor Waterproof Electrical Cabinet**
,
1600×900×2150mm Outdoor Waterproof Electrical Cabinet
, **IP55 Outdoor Waterproof Electrical Cabinet**



Product Description

Outdoor waterproof electrical cabinet:

1. Cabinet dimensions: 650*650*1200mm;
2. The cabinet is made of galvanized steel plate;it includes a 19-inch rack with a height of 22U;
3. The cabinet comes with a 500W AC air conditioner;
4. Protection rating IP55;
5. Customization is available.

IP55 Weather Resistant Outdoor Power Enclosures Metal Communication Enclosure

Weather-resistant outdoor power enclosures are designed to protect electrical equipment from harsh environmental conditions while ensuring reliable operation. Here's an overview of their features, specifications, and applications:

Outdoor waterproof electrical cabinet Features

Weather Resistance

IP Ratings: Typically rated IP65 or higher to ensure protection against dust and water ingress.

UV Protection: Materials that resist degradation from sunlight, preventing fading and structural damage.

Durable Construction

Material Options: Made from corrosion-resistant materials such as stainless steel, aluminum, or high-density polyethylene (HDPE).

Reinforced Design: Built to withstand impacts, vibrations, and extreme weather conditions.

Insulation and Temperature Control

Thermal Insulation: Helps maintain stable internal temperatures, protecting sensitive equipment.

Cooling Options: Passive ventilation or active cooling systems to prevent overheating.

Security Features

Lockable Doors: Secure access to prevent unauthorized entry and tampering.

Alarm Systems: Optional intrusion alarms for enhanced security.

Modular Design

Configurable compartments for organizing various types of equipment, including power supplies, batteries, and control systems.

Cable Management

Integrated features for organizing and protecting cables and connections, reducing clutter and enhancing safety.

Grounding and Bonding

Provisions for proper grounding to protect equipment from electrical surges and lightning strikes.

Accessibility

Designed for easy installation and maintenance, with removable panels or doors for quick access.

Specifications

Size Options: Available in various sizes to accommodate different equipment types and configurations.

Weight Capacity: Rated to support the weight of housed equipment and additional components.

Temperature Range: Designed to operate within specified temperature ranges to protect sensitive electronics.

Outdoor waterproof electrical cabinet Applications

Telecommunications

Protects radio equipment, antennas, and backup power systems in outdoor telecom installations.

Renewable Energy

Used in solar and wind installations to house inverters, batteries, and control systems.

Transportation

Enclosures for traffic management systems, signal controllers, and communication equipment for public transportation.

Utilities

Safeguarding electrical distribution equipment and monitoring systems in outdoor utility applications.

Industrial Automation

Protecting control panels and power supplies in outdoor manufacturing and processing facilities.

Public Safety

Housing communication systems and backup power for emergency services in outdoor environments.

Smart City Applications

Enclosures for IoT devices, environmental sensors, and connectivity solutions in urban areas.

Outdoor waterproof electrical cabinet Benefits

Increased Durability: Designed to withstand harsh environmental conditions, ensuring long-term reliability.

Improved Safety: Protects sensitive electrical equipment from environmental hazards, reducing the risk of failure.

Efficient Operation: Maintains optimal performance through effective temperature management.

Versatile Applications: Suitable for a wide range of industries and environments, enhancing operational flexibility.

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)



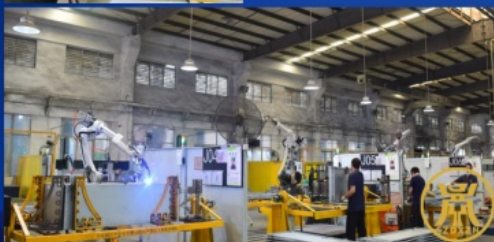
- Copper bar integrated machine: 2 units
- Model: LID-30
- Features: high-precision automatic cutting and punching



Key Process - Welding Workshop

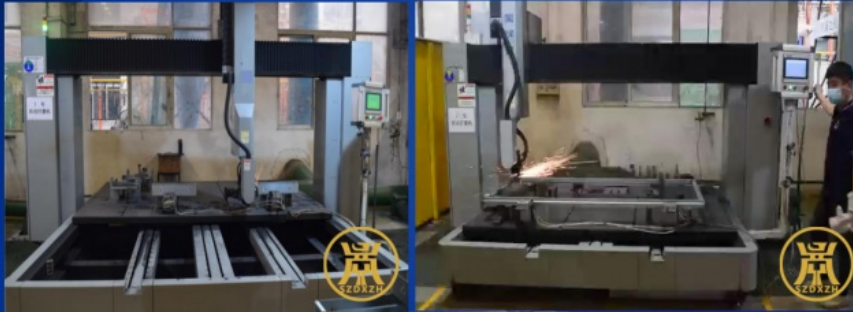


Fully automatic, 360 degree rotating welding line features: Welding accuracy: Welding displacement less than 1.5 mm, welding flip angle less than 0.1 degrees. Welding software: Our self-developed welding control software v1.3 version can store up to 128 welding programs. Scan the product code to initiate 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

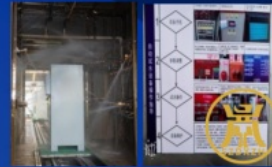
Key Process - Product Assembly Workshop



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.



Trial water process diagram



Test water



Key process - outdoor cabinet waterproof testing assembly line

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



Trial water process diagram

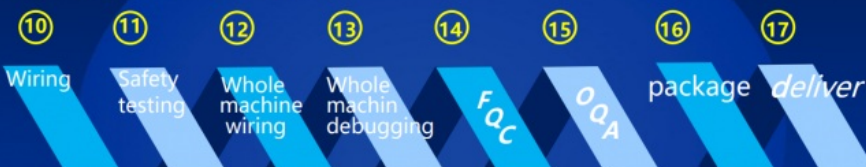


Test water



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



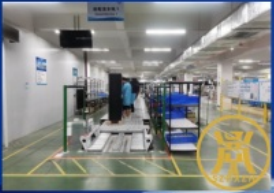
Product safety testing



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



Shenzhen Daxin Intelligent Equipment Technology Co., Ltd

+86 15817363697

lubenzhi@szdxzh.com

power-cabinets.com

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