

Outdoor Customized Battery Storage Cabinets Integrated With Air Conditioner And PDU

Our Product Introduction

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Basic Information

- Place of Origin: SHENZHEN
- Brand Name: Daxin
- Certification: /
- Model Number: ODC-65651100C2T
- Minimum Order Quantity: 1 pc
- Packaging Details: Wooden case
- Delivery Time: 35-45 days
- Payment Terms: T/T
- Supply Ability: 8000pcs/month



Product Specification

- Cooling: 400W DC Air Conditioner
- Surface Coating: Powder Coating
- Customize Service: YES
- Product Category: Outdoor Battery Storage Cabinets
- Packaging: Wooden Case With Pallet
- Highlight: **Battery Storage Cabinets With Air Conditioner,
Battery Storage Cabinets With PDU,
Outdoor Battery Storage Cabinets**



Product Description

Outdoor Customized Battery Storage Cabinets Integrated with Air Conditioner and PDU

Outdoor Integrated Battery Storage Cabinets Product Description:

Our Outdoor Customized Battery Storage Cabinets are designed to provide a secure, weatherproof, and efficient solution for storing and managing batteries in demanding outdoor environments. Integrated with advanced air conditioning and Power Distribution Units (PDUs), these cabinets are ideal for applications in telecommunications, renewable energy, transportation, and outdoor events. With robust construction, intelligent temperature control, and comprehensive safety features, our cabinets ensure optimal performance and longevity for your battery systems.

Customized Battery Storage Cabinets Key Features:

1. Robust Construction:

- > Made from galvanized steel sandwich panels with 1.2mm outer and 0.6mm inner plates, offering superior durability.
- > 45mm PU insulation for excellent thermal stability and weather resistance.

2. Integrated Air Conditioning:

- > Equipped with a 400W high-efficiency semiconductor air conditioner for precise temperature control.
- > Four 12038 auxiliary straight-through fans for enhanced airflow and cooling.

3. Power Distribution Unit (PDU):

- > Includes a 4-way socket PDU for efficient power distribution.
- > Access control and LED light switches for easy operation and monitoring.

4. Safety and Security:

- > Fire-resistant materials and lockable doors to prevent unauthorized access.
- > IP-rated enclosure for dust and water resistance, ensuring protection against harsh environmental conditions.

5. Modular Design:

- > Lower compartment for battery storage and upper compartment for equipment, providing a well-organized layout.
- > Expandable and stackable design to accommodate growing energy needs.

6. Monitoring and Control:

- > Integrated Battery Management System (BMS) for real-time monitoring of battery health and performance.
- > Remote monitoring capabilities for seamless management.

7. Ease of Maintenance:

- > Removable panels and trays for easy installation and maintenance.
- > LED lighting for improved visibility during operations.

Technical Specifications:

Category	Specifications
External Dimensions	HWD: 1100mm * 650mm * 600mm (including bracket assembly)
Material	Galvanized steel sandwich panel (1.2mm outer, 0.6mm inner, 45mm PU insulation)
Air Conditioning	400W high-efficiency semiconductor air conditioner
Ventilation	12038 auxiliary straight-through fan * 4
PDU	4-way socket PDU
Lighting	LED light with access control and switch
Accessories	Stainless steel strip, power cord
Temperature Control	Integrated air conditioner and fans for optimal thermal management
Safety Features	Fire-resistant materials, lockable doors, IP-rated enclosure
Compatibility	Suitable for lithium-ion, lead-acid, and other battery technologies

Applications:

- > **Telecom Base Stations:** Secure storage for backup power systems.
- > **Renewable Energy Systems:** Ideal for solar and wind energy storage solutions.
- > **Transportation Systems:** Outdoor battery storage for railway, highway, and other transportation infrastructures.
- > **Outdoor Events:** Reliable power backup for temporary setups.
- > **Industrial Facilities:** Safe and efficient battery storage for industrial energy needs.

Support and Services:

1. **24/7 Remote Monitoring:** Real-time diagnostics and support.
2. **Customized Solutions:** Tailored designs to meet specific requirements.
3. **Training:** Comprehensive training for cabinet operation and maintenance.
4. **Remote technical support for Maintenance:** Professional technical support remote service.

Why Choose Our Outdoor Battery Storage Cabinets?

Our **Outdoor Customized Battery Storage Cabinets** combine durability, advanced technology, and user-friendly features to deliver a reliable solution for your energy storage needs. Whether for telecommunications, renewable energy, or industrial applications, our cabinets ensure your batteries are protected, organized, and ready to perform in any environment.

Contact us today to learn more about how our cabinets can meet your specific requirements!



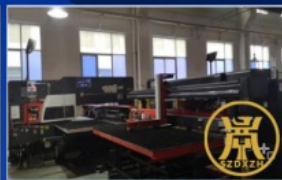
*Main equipment for cabinet processing
(Three main equipment)*



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)



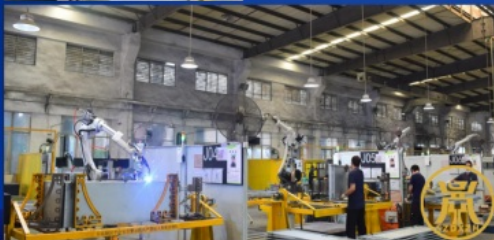
➢ Copper bar integrated machine: 2 units
➢ Model: LID-30
➢ Features: high-precision automatic cutting and punching



Key Process - Welding Workshop

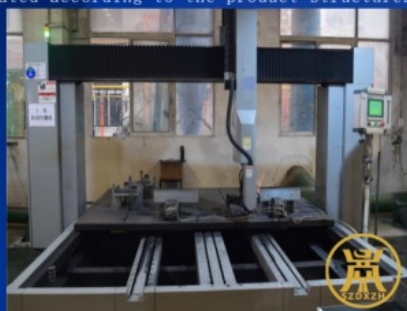


Fully automatic, 360 degree rotating welding line features: Welding accuracy: Welding displacement less than 1.5 mm, welding flip angle less than 0.1 degrees. Welding software: Our self-developed welding control software v1.3 version can store up to 128 welding programs. Scan the product code to initiate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



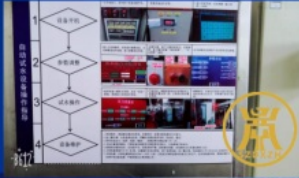
Outdoor cabinet product assembly line



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



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