



DC48V LED Lamp Industrial And Commercial Energy Storage System with One Compartment Cabinet Layout and 500W Cooling Capacity

Our Product Introduction

for more products please visit us on power-cabinets.com

Basic Information

- Place of Origin: SHENZHEN
- Brand Name: daxin
- Certification: CE
- Model Number: ODC-210909C2T-200AH
- Minimum Order Quantity: 1 pcs
- Packaging Details: Woodcase/ Paper box
- Delivery Time: 15-25 days
- Payment Terms: T/T
- Supply Ability: 10000pcs/month



Product Specification

- Cabinet Layout: One Compartment
- Protection Level: IP55
- Battery Size: L×W×H 550×125×320mm
- Cabinet Cooling: Heat Exchanger And Fans, MTBF≥50000h.
- Battery Shelf No: One Battery Shelf
- Illumination: DC48V LED Lamp
- Layout: 2 Compartments

Product Description:

Our Industrial and Commercial Energy Storage System is housed in a robust cabinet with a jacket OD of 3.0mm, ensuring durability and protection from the elements. The cabinet is equipped with a heat exchanger and fans for efficient cooling, with a mean time between failures (MTBF) of at least 50,000 hours. The system has a protection level of IP55, ensuring it is resistant to dust and water ingress. The Anti-theft Three Point Lock on our Industrial and Commercial Energy Storage System ensures the safety of your energy storage investment, making it a secure and reliable solution for businesses. Our Industrial and Commercial Energy Storage System is ideal for commercial applications, providing businesses with an effective way to manage their energy consumption and reduce energy costs. Our Commercial Energy Storage Systems are designed to meet the growing demand for sustainable energy solutions, providing businesses with a reliable and efficient way to store and use energy. At our company, we are committed to delivering high-quality and reliable energy storage solutions to our clients. Our Industrial and Commercial Energy Storage System is a testament to our commitment to innovation and sustainability, providing businesses with a cost-effective and reliable way to manage their energy consumption.

Features:

Product Name: Industrial And Commercial Energy Storage System
 Jacket Od: 3.0mm
 Layout: 2 Compartments
 Supply Ability: 10,000 Taiwan/month
 Battery Shelf No: One Battery Shelf
 Certification: CE
 This product is perfect for Commercial Battery Storage Systems, Container Energy Storage System, and Industrial and Commercial Energy Storage.

Technical Parameters:

Product Attribute	Value
Product Category	Industrial And Commercial Energy Storage System
Layout	2 Compartments
Cabinet Layout	One Compartment
Battery Shelf No	One Battery Shelf
Battery Size	L×W×H 550×125×320mm
Internal Size	W×D×H 900×900×2150mm*6
Cooling Capacity	500W (air conditioner)
Illumination	DC48V LED Lamp
Embedded Power Supply	Brand: Emerson
Supply Ability	10,000 Taiwan/month

This All-in-one Commercial Energy Storage Cabinet is suitable for Industrial and Commercial Energy Storage as well as Home Solar Energy Storage System.

Applications:

This All In One Energy Storage System is ideal for use in various scenarios, including:
 Off-grid solar power generation systems
 Home Solar Energy Storage Systems
 Industrial and commercial facilities that require backup power solutions
 Emergency power supply systems for hospitals, data centers, and other critical infrastructure
 With a cooling capacity of 500W, this energy storage system is perfect for use with air conditioners. The embedded power supply from Emerson ensures seamless and reliable performance, while the DC48V LED Lamp provides ample illumination even during power outages.
 The dacin ODC-210909C2T-200AH is available for purchase at a price of 6000USD, with a minimum order quantity of 10 units. Payment terms are T/T, and the product has a supply ability of 10,000 units per month, with a delivery time of 30 days. The product is packaged in a wooden crate or cardboard box for safe transportation.

Support and Services:

Our Industrial and Commercial Energy Storage System product comes with comprehensive technical support and services to ensure

optimal performance and reliability. Our team of experienced engineers and technicians are available to assist with installation, commissioning, and maintenance of the energy storage system. We also offer ongoing training and support to ensure our customers are equipped with the knowledge and skills to maximize the potential of our product.

In addition to technical support, we also provide a range of services including system design and customization, project management, and performance monitoring. Our goal is to provide our customers with a complete energy storage solution that meets their specific needs and requirements.

At every stage of the process, we are committed to delivering the highest level of customer service and support. Our goal is to ensure our customers achieve maximum return on investment and long-term success with our product.

Packing and Shipping:

Product Packaging:

The Industrial And Commercial Energy Storage System will be packed securely in a sturdy cardboard box.

All necessary components and accessories will be included in the package.

The package will be labeled with the product name, model number, and company information.

Shipping:

The Industrial And Commercial Energy Storage System will be shipped via a reputable courier service.

The shipping cost will be calculated based on the destination and weight of the package.

The customer will be provided with a tracking number to monitor the shipment.

The estimated delivery time will be communicated to the customer at the time of purchase.

FAQ:

Q: What is the brand name of the Industrial And Commercial Energy Storage System?

A: The brand name is daxin.

Q: What is the model number of the Industrial And Commercial Energy Storage System?

A: The model number is ODC-210909C2T-200AH.

Q: Is this product certified?

A: Yes, it is certified with CE.

Q: Where is this product manufactured?

A: The product is manufactured in SHENZHEN.

Q: What is the minimum order quantity for this product?

A: The minimum order quantity is 10 units.

Q: What is the price of the Industrial And Commercial Energy Storage System?

A: The price is 6000USD.

Q: What are the payment terms for this product?

A: The payment terms are t/t.

Q: What is the supply ability of this product?

A: The supply ability is 10,000 Taiwan/month.

Q: How long does it take for the product to be delivered?

A: The delivery time is 30 days.

Q: How is the product packaged?

A: The product is packaged in a wooden crate or a cardboard box.

	PWS1-500KTL-EX-8M1	PWS1-500KTL-EX-8M4	PWS1-500KTL-EX-8M8
Utility-interactive Mode			
Nominal power	500kVA ¹		
AC max power	550kVA ¹		
AC frequency	50/60(-2.5~2.5) Hz		
AC voltage	400(-15%~15%) Vac		
Battery voltage range	600~900Vdc		
Quantity of battery strings	1	4	8
DC max current in each branch	880A	220A	110A
THDI	≤3%		
AC PF	Listed: 0.8~1 leading or lagging (Controllable)		
	Actual: 0.1~1 leading or lagging (Controllable)		
Stand-alone Mode			
Nominal AC output power	500kVA ¹		
AC max power	550kVA ¹		
AC frequency	50/60(-2.5~2.5) Hz		
AC output voltage	380/400(±10% configurable) Vac		
Battery voltage range	600~900Vdc		
Quantity of battery strings	1	4	8
DC max current in each branch	880A	220A	110A
Output THDu	≤2% (Linear load)		
AC PF	Listed: 0.8~1 leading or lagging (Load-depend)		
	Actual: 0.1~1 leading or lagging (Load-depend)		
Overload Capability	110%~115% 10min		
	115%~125% 1min		
	125%~150% 200ms		

¹: Power could be 62.5kw to 500kw by equipping different numbers of power modules.

Main equipment for cabinet processing (Three main equipment)



Laser

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



TRUMATIC500- Fully Automatic

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



TRUMATIC500- Fully Automatic
Japan AMADA - Fully Automatic

- 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)



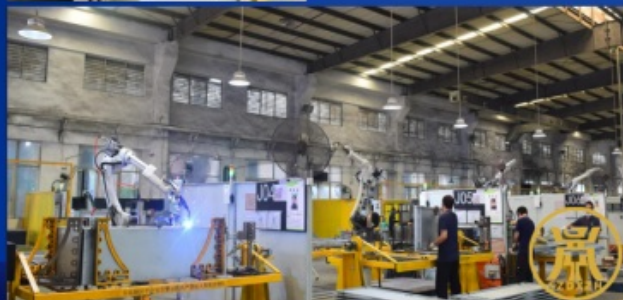
Key Process - Copper and Aluminum Product Workshop (Integrated Cutting and Punching Machine)



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



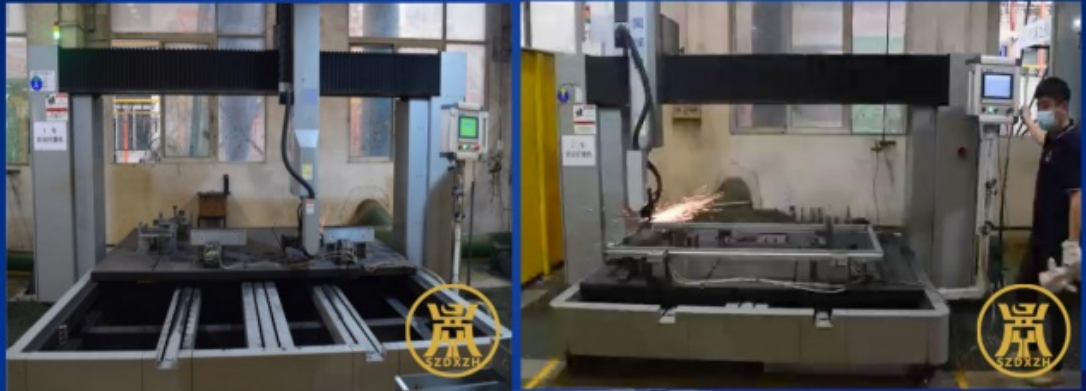
Key Process - Welding Workshop



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)

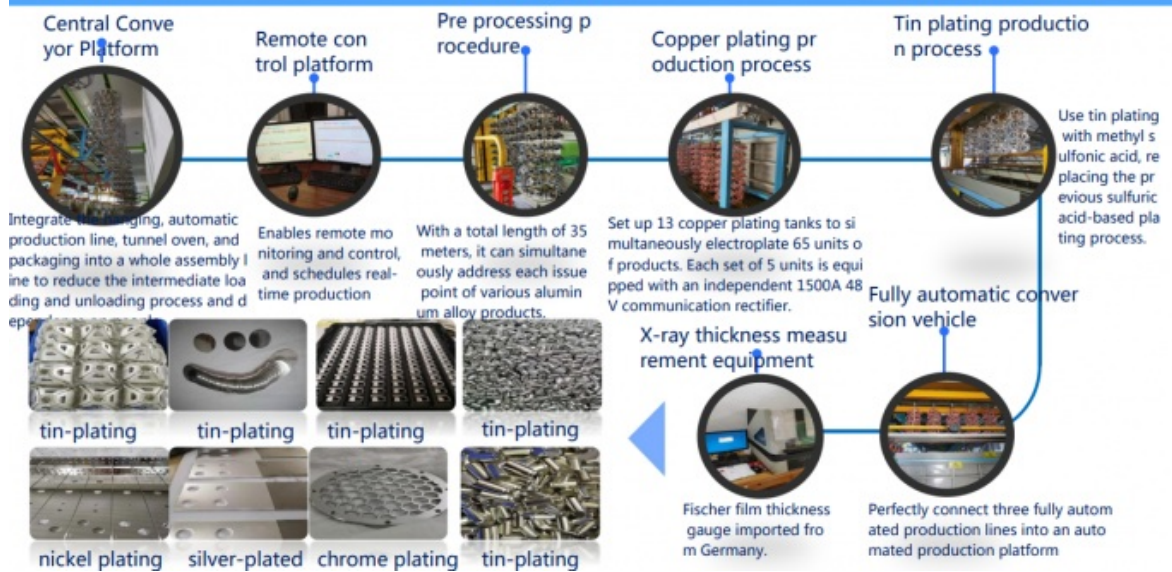


Surface treatment 2-wire (cabinet type):

- 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



Automatic Line 2



Automatic Line 3

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

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



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