

IP55 Weatherproof Outdoor Cabinet For Hybrid Energy Storage Power Systems With Remote Monitoring System

Our Product Introduction

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Basic Information

- Place of Origin: SHENZHEN
- Brand Name: Daxin
- Certification: /
- Model Number: ODC-210909C2T
- Minimum Order Quantity: 1 pc
- Packaging Details: Wooden case with pallet
- Delivery Time: 15-25 days
- Payment Terms: T/T
- Supply Ability: 6000pcs/month

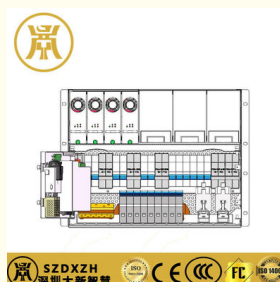
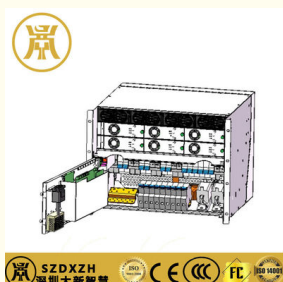


Product Specification

- Access: Front And Back Access
- Internal Size: W×D×H 900×900×2150mm
- Cabinet Lock: Anti-theft Three Point Lock
- Protection Level: IP55
- Cooling: Air Conditioner 1500W AC
- User Space: 40-45U
- Highlight: **Solar Battery Storage System Metal Cabinet,
Free Standing Weatherproof Metal Cabinet,
IP55 Weatherproof Metal Cabinet**



More Images



Product Description

IP55 Weatherproof Outdoor Cabinet For Hybrid Energy Storage Power Systems With Remote Monitoring System

Outdoor cabinet of Hybrid Power Supply System for Telecom Base Stations

Reliable. Efficient. Sustainable.

In remote telecom base stations, unstable grid power and high infrastructure costs pose significant challenges. Traditional diesel generators are costly and unsustainable. Our Solar-Wind Hybrid Power System offers a cutting-edge solution—combining solar energy, intelligent rectification, and modular design to ensure 24/7 reliability while reducing operational costs and carbon footprint.

Outdoor Cabinet For Hybrid Energy Storage Power Systems Technical Parameters:

Item	Type	Technical Parameter
Outdoor Cabinet	External Dimension	W×D×H 900×900×2150mm
	Protection	IP55, outdoor application
	Cabinet Installation Method	Floor installed
	Layout	40-45U. can be customized.
	Door	Two doors, one front door and one rear door.
	Lock	Three point lock system
	Material	Galvanized steel, double skins with thermal insulation
	Thermal Insulation	20mm PEF
	Coating	Outdoor powder coating, corrosion resistant
	Color	RAL7035, grey
Cooling	Air Conditioner	Two air conditioners, Input Voltage: 220VAC 50/60Hz. Cooling Capacity: 1500W.
Power Supply	Rectifier-19-inch rack mount, 3U height	Input Voltage: 220VAC Output Voltage: -48VDC Output Power: 4800W Output Current: 0A Communication: RS485
	Monitoring and control	Built-in monitoring module; Support primary load shedding and secondary load shedding.
Monitoring	Environment Monitoring System	1U 19" installed environment monitoring unit, support SNMP communication, with web interface. Can monitor door open, smoke, water, temperature, humidity, AC power failure etc.
Temperature	Temperature	Working Temperature: -40°C ~ +55°C
		Storage Temperature: -50°C ~ + 70°C
		Transport Temperature: -50°C ~ +70°C
Humidity	Relative Humidity	5% ~ 100%
Pressure	Air Pressure	62kpa ~ 101kpa (similar to 0m ~ 5000m altitude)
Radiation Intensity	Solar Radiation Intensity	1120 ×(1±5%)W/m2

Key Features & Advantages:

Feature	Description
High Efficiency	MPPT efficiency >99.5%, system efficiency >96% in pure solar mode.
Modular Design	Hot-swappable rectifier/MPPT modules; supports N+X redundancy for zero downtime.
Smart Monitoring	Centralized control for solar, rectifier, battery, and load management.
Dual Energy Input	Solar prioritized, with wind/rectifier backup for uninterrupted power supply.
Wide Compatibility	Supports hybrid PV-wind configurations and grid-tie/off-grid applications.

Application Scenarios:

Scenario 1: Off-Grid Remote Sites

Configuration: Solar + Battery + Diesel Backup

Workflow: Solar powers loads and charges batteries; diesel activates during low battery.

Scenario 2: Grid-Tie with Energy Sales

Configuration: Solar + Inverter + Grid Connection

Workflow: Excess solar energy feeds into the grid, reducing costs and generating revenue.

Why Choose Us?

Proven Expertise: Deployed in 500+ sites across harsh environments.

Custom Solutions: Scalable designs for 200A to 500A systems.

Sustainability: Reduce diesel consumption by 80% and CO₂ emissions by 50%.

About Us:

Delivery Business-Basic Supply Capabilities

- Sheet metal production capacity: 20,000 large UPS cabinets per month, 7-10 days for urgent orders, 25-30 days for normal average production cycle (excluding product technical data processing time), and 97.5% delivery achievement rate.
- Wiring harness and electrical equipment capacity: The current matching capacity is 18,000-20,000 units, and production can be expanded at any time according to the demand for sheet metal (flexible resource allocation). The normal production cycle is 2.3 days (from going online to entering the customer), and 2.5-3 days for extra-large products (including commissioning). The promised capacity achievement rate exceeds 100% (delivery performance 8A2C).

Sheet metal production capacity:
20,000 units/month



Electric equipment commissioning
capacity: 20,000 units/month



Separate Operations for Bulk and Small Batches to Support Timely Delivery of All Orders

- Line distribution: The CNC section and welding section completely separate small batches from mass production (site/equipment/personnel).
- Pre-treatment and spraying: They can be shared, and the spraying capacity resources are far greater than all production processes.
- Quality management: The process, quality, personnel, and IT are all consistent, and are all subject to assessments aspects such as process quality.
- Planning and materials: A dedicated person is responsible for mass and small batches. If small batches or prototypes increase, the mass line can flexibly adjust the machine to small batch reinforcement (including personnel, tools and equipment resources).



Small batch and sample line



Bulk order line

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)



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