



32U Integrated Power Cabinet With Embedded Switching Power Supply And PDU

Our Product Introduction

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Basic Information

- Place of Origin: shenzhen
- Brand Name: daxin
- Certification: CE,UL
- Model Number: DX-75751750
- Minimum Order Quantity: 1pcs
- Packaging Details: Wooden pallet+cardboard box
- Payment Terms: L/C, T/T
- Supply Ability: 10000pcs/month



Product Specification

- Type: Telecom Outdoor Cabinet
- Installation Method: Rack Mounted
- Surface: Outdoor Powder Coating
- Embedded Power Supply Brand: Daxin
- Protection Level: IP55
- Manufacturer: Shenzhen
- External Size: Customized
- Material: Steel
- Color: RAL7035 GREY

Product Description

32U Integrated Power Cabinet With Embedded Switching Power Supply And PDU

Below are the key applications and use cases for this cabinet:

1. Telecommunications

Use Case: Houses telecom equipment such as routers, switches, and power distribution units

Benefits:

Provides a secure and organized environment for sensitive telecom devices.

IP65 protection ensures resistance to dust and water, making it suitable for outdoor installations.

32U rack space accommodates multiple devices in a compact footprint.

2. Data Centers

Use Case: Stores servers, power supplies, and networking equipment

Benefits:

19-inch rack compatibility ensures seamless integration with standard data center equipment.

Thermal insulation ($<0.472 \text{ W/(m}^2\cdot\text{K)}$) maintains optimal operating temperatures.

Grounding copper bus enhances electrical safety.

3. Industrial Automation

Use Case: Protects and organizes PLCs, control systems, and power distribution units in industrial settings.

Benefits:

Durable 1.5mm galvanized sheet construction withstands harsh industrial environments.

Anti-theft design (embedded door and lock) ensures security for critical equipment.

Cooling fan (optional) prevents overheating in high-temperature environments.

4. Renewable Energy Systems

Use Case: Houses inverters, batteries, and power management systems for solar or wind energy installations.

Benefits:

IP65 rating makes it suitable for outdoor use in renewable energy farms.

Cable entry design (bottom in and out) simplifies wiring and maintenance.

RAL7035 powder coating provides corrosion resistance for long-term outdoor durability.

5. Outdoor Power Distribution

Use Case: Used in outdoor power distribution systems for residential, commercial, or industrial areas.

Benefits:

High protection level (IP65) ensures reliable operation in all weather conditions.

"Electricity Danger" logo and anti-theft features enhance safety and security.

32U rack space allows for scalable power distribution setups.

6. Transportation Infrastructure

Use Case: Houses power and control systems for traffic lights, railway signaling, and toll booths.

Benefits:

Compact design (750 × 750 × 1750 mm) fits well in limited spaces.

Thermal insulation and optional cooling fan maintain stable temperatures for sensitive electronics.

Embedded door and lock design prevents unauthorized access.

7. Healthcare Facilities

Use Case: Stores medical power distribution units and backup systems.

Benefits:

Reliable power supply with grounding copper bus ensures safety for critical medical equipment.

LED light and door magnetic switch simplify maintenance and monitoring.

Professional powder coating (RAL7035) provides a clean and durable finish.

8. Smart City Infrastructure

Use Case: Supports IoT devices, surveillance systems, and smart grid components.

Benefits:

High capacity (32U) accommodates multiple devices for smart city applications.

Bottom cable entry design ensures neat and organized wiring.

Anti-theft and IP65 features protect equipment in public or remote locations.

9. Broadcasting and Media

Use Case: Houses broadcasting equipment, power supplies, and signal distribution systems.

Benefits:

19-inch rack compatibility supports standard broadcasting equipment.

Thermal insulation and optional cooling fan ensure stable operation for heat-sensitive devices.

Secure design protects expensive broadcasting equipment from theft.

10. Military and Defense

Use Case: Stores communication and power systems in field operations or remote installations.

Benefits:

Robust construction (1.5mm galvanized sheet) withstands extreme conditions.

IP65 rating ensures protection against dust, water, and environmental hazards.

Anti-theft features provide added security for sensitive military equipment.

Summary

The 32U Integrated Power Cabinet is a highly adaptable solution for a wide range of applications, including telecommunications, data centers, industrial automation, renewable energy, and more. Its robust design, high protection level, and scalable rack space make it an ideal choice for both indoor and outdoor installations where reliability, security, and durability are critical.

Cabinet Parameter

Parameter	Specification
Cabinet Outer Dimensions	W × D × H: 750 × 750 × 1750 mm
Inner Dimensions	W × D × H: 600 × 600 × 1400 mm
Cabinet Composition	Cabinet body + cabinet door + base + top cover + rack + cabinet lock
Cabinet Type	1 unit 1 compartment, front door, floor installation
Cabinet Material	1.5mm galvanized sheet
Thermal Insulation	Thermal conductivity < 0.472 W/(m²·K)
Equipment Shelf	19-inch rack, H: 32U, 3 pairs of support bars, 1 tray
Cabinet Base	100mm high, 2.0mm thick
Cable Entry	Bottom in and bottom out, φ50 × 4
Anti-Theft Design	Embedded door, embedded link, point anti-theft lock
Protection Level	IP65
Color	RAL7035, professional outdoor powder coating
Logo	Printed with "Electricity Danger" logo
Additional Features	Grounding copper bus, LED light, door magnetic switch, cooling fan (optional)

Integrated Power Cabinet Technique Parameter			
Item	Name/Description	Specifications/Models	Parameter
1	Outdoor integrated power cabinet	W750*D750*H1750mm	A. Cabinet outer dimensions: W×D×H750*750*1750mm; inner dimensions: W×D×H6000*600*1400mm B. Cabinet composition: cabinet body + cabinet door + base + top cover + rack + cabinet lock C. Cabinet type: 1 unit 1 compartment, front door, floor installation D. Cabinet material: 1.5mm galvanized sheet; E. Thermal insulation performance: thermal conductivity <0.472W/(m2.k); F. Equipment shelf: 19-inch rack, H:32U 3 pairs of support bars, 1 tray; G. Cabinet base: 100mm high, 2.0mm thick; H. Cable entry: bottom in and bottom out φ50*4; I. Anti-theft design: embedded door, embedded link, point anti-theft lock; J. Protection level: IP65; K. Color: RAL7035, professional outdoor powder coating; L. The cabinet is printed with "Electricity Danger" logo; M. Contains grounding copper bus, LED light, door magnetic switch, cooling fan (optional)
	Embedded		Standard 19-inch, embedded frame 3U high; AC input 380V, DC output 48V; equipped with 30A rectifier modules * 3, monitoring management module * 1; with battery charging management;

2	switching power supply 200A	ET-PS4890Z-6U	Power distribution part: AC input: circuit breaker DZ47-63/4 C63 63A/4P*1; three-phase AC C-class lightning arrester 20~40KA; AC output: circuit breaker DZ47-63/2 C32 32A/2P*1; ground terminal*1; DC C-class lightning arrester 20~40KA 1P*1; DC output: primary power-off: DZ47-63/1 C63 63A/1P*3, DZ47-63/1 C32 32A/1P*2; secondary power-off: DZ47-63/1 C16 16A/1P*2;
3	Power distribution unit	3U	19-inch 3U high embedded frame, AC380V input, 63A/4P×2 (AC input, oil engine input + mechanical interlocking piece), three-phase Class B lightning arrester×1, 63A/3P×1, 32A/1P×2, 16A/1P×2, 10A/1P×1, 6A/1P×1, three-hole maintenance socket×1, ground row×1, zero row×1.
4	Lithium battery	3u100AH	Equivalent to 20 kWh
5	UPS	3kva	1.AC220V input, DC220V output 2.Rack-mounted installation 3.3u height
6	AC Air Conditioner	500W	Mounted on the front door

Shenzhen Daxin Intelligent Equipment Technology Co., Ltd

Shenzhen R&D Center is located in Rongchao Binhai Building, Haixiu Road, Bao'an District (next to Bao'an Library).



Shenzhen Daxin Intelligent Equipment Technology Co., Ltd



Shenzhen R&D Center



Guangzhou Factory

- Shenzhen Daxin Smart Equipment Technology Co., Ltd. was established in 2019, with its headquarters in Shenzhen and its production base in Conghua. The company is the chairman unit of the Guangzhou Sheet Metal Processing Industry Association.
- We purchased a 500-square-meter R&D office building in Shenzhen; we own 150,000 square meters of industrial land in Conghua and 120,000 square meters of self-built factories. We plan to build another 25,000 square meters within three years. Our current production-related fixed assets are nearly 100 million yuan, and our sheet metal production has environmental protection qualifications.
- An end-to-end supply system integrating R&D design, production, sales, transportation and after-sales service. ODM is mainly for customer-oriented or non-standard design.
- Representative customers: Vertiv Technologies (Ericsson, Nokia, etc.), AUTSUN, Invic, Sunsea Intelligent, Cosin Technology, Kangguan Medical, Kaili Medical, Mindray Medical, Medcaptain Medical, China Post, China Tower, star-rated hotels, government agencies, schools and other chain catering customer groups.



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