



## 42U Outdoor Power Distribution Cabinet IP55 Protection Level With Sandwich Panel And Air Conditioner

Our Product Introduction

for more products please visit us on [power-cabinets.com](http://power-cabinets.com)

### Basic Information

- Place of Origin: shenzhen
- Brand Name: daxin
- Certification: CE,UL
- Model Number: DX-90902195-42U
- 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: Sandwich Panel
- Color: RAL7035 GREY
- Highlight: Sandwich Panel Outdoor Power Distribution Cabinet  
, 42U Outdoor Power Distribution Cabinet,  
Outdoor Power Distribution Cabinet IP55



### More Images



## Product Description

### 42U Outdoor Power Distribution Cabinet With Sandwich Panel And Air Conditioner

#### Power Distribution Cabinet Parameter

No.	Description	Specification
<b>Specification of cabinet</b>		
1	Model	DAXIN90902195-42U
2	Cabinet Dimension	W×D×H 900×900×2195mm
3	Available User Space	42U standard 19" rack
4	Door	One front door
5	Lock	Outdoor special anti-theft three point locking
6	Material	Sandwich panel with heat insulation
7	Cabinet Installation method	Floor mount
8	Cable Entry	Located on the bottom
9	Lifting	4 ears on the cabinet base
10	Earthing	Grounding copper bar
11	Working Temperature	-40°C +75°C
12	Protection Level	IP55
13	Relative Humidity	5% ~ 100%
14	Atmospheric Pressure	62kpa ~ 101kpa (similar to 0m ~ 5000m altitude)
15	Solar Radiation Intensity	1120 ×(1±5%)W/m2
<b>Other accessories</b>		
1	Cooling	1. Air conditioner, Cooling capacity: 1500W, Power supply: AC220V, 50Hz 2. Fan
2	Power Distribution Unit	3U height, with customized breakers
3	LED light	AC220V 50Hz, with LED lamp switch
<b>Packing</b>		
Wooden case		W×D×H 970×1190×2370mm

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 W/(m²·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 42U Power distribution 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.



**SZDXZH**  
深圳大新智慧



**SZDXZH**  
深圳大新智慧





**Shenzhen Daxin Intelligent Equipment Technology Co., Ltd**



+86 15817363697



lubenzhi@szdxzh.com



power-cabinets.com

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