

Outdoor constant temperature cabinet for private power grid 800mm depth



Article Overview

For an 800mm depth outdoor cabinet with constant temperature control, options include IP55–IP66 rated enclosures with integrated AC or fan-based climate management suitable for sensitive power grid equipment.

Key Features to Consider

1. Protection and Durability Outdoor cabinets must withstand environmental challenges such as rain, dust, UV exposure, and potential vandalism. IP55 to IP66 ratings are common, providing protection against water ingress and dust, while materials like marine-grade aluminum, stainless steel, or galvanized steel ensure corrosion resistance and long-term durability . Powder-coated finishes (e.g., RAL7035) further enhance resistance to industrial and outdoor conditions .

2. Climate Control Options Maintaining a constant internal temperature is critical for sensitive power equipment. Cabinets can be equipped with:

- Air conditioners for precise temperature control in high-heat environments .
- Fan and filter combinations for moderate cooling and ventilation .
- Heat exchangers or thermoelectric coolers (TEC) for energy-efficient temperature regulation .
- Enclosure heaters to prevent condensation and maintain minimum temperatures in cold climates

Article Content

Apr 22, 2026

IP55 Outdoor Server Cabinet Enclosure with Ventilated,42U,800mm

AZE''s outdoor server enclosure is the ultimate choice for your outdoor racking requirements, they can provide a secure, climate

Dec 03, 2025

12U Waterproof Outdoor Freestanding Cabinet w/Cooling Fans, IP55,

AZE designs and manufactures a wide range of Waterproof Outdoor Freestanding Cabinet, from 18U to 42U, with fans cooling, metal

Jan 13, 2026

12U Waterproof Outdoor Freestanding Cabinet

AZE''s waterproof outdoor freestanding cabinets are ideal for applications where

Feb 15, 2026

Outdoor Enclosures

Outdoor Enclosures Outdoor Enclosures Our flexible all in one outdoor cabinet solutions allow: - to offer

Jul 09, 2026

Serveredge 27RU 800mm Wide & 800mm Deep Fully

Serveredge CBN-27RU-88FS fully assembled rack enclosure is a perfect solution for securely storing your

Oct 30, 2025

Outdoor Battery Rack | Weatherproof Rack for Telecom

It provides mechanical support, ventilation, and protection against dust, rain, and temperature extremes,

Dec 17, 2025

Giganet IP66 Outdoor Cabinet With AC Width 800mm Depth 1000mm

Surface Finish: Degrease, acid pickling, rust prevention and Parkerizing, pure water cleaning & static electricity powder coating.

Mar 22, 2026

27U Waterproof Outdoor Rack Cabinet w/Cooling Fans, IP55, 800W x

AZE designs and manufactures a wide range of waterproof outdoor rack cabinet, from 18U to 42U, with fans cooling, metal steel,

Feb 14, 2026

IP55 Outdoor Server Cabinet Enclosure with Ventilated,12U,800mm

Being designed to accommodate the weather protection of your choice, the outdoor server rack enclosures are available in NEMA

Dec 06, 2025

Weatherproof Outdoor Electrical Enclosures | Durable Outdoor

Outdoor Telecom Enclosure with HVAC, Secure Your IT OUTDOOR in harsh Environment AZE Telecom offers top-quality

Jul 12, 2026

22U 19" IP65 Outdoor Cabinet W600mm D800mm

22U 19" IP65 Outdoor Cabinet W600mm D800mm FEATURES The IP65 Outdoor Cabinet is a high-quality cabinet designed for 19"

Feb 16, 2026

Giganet IP55 15U Outdoor Cabinet With Fan Width 600mm Depth 800mm

Giganet IP55 Outdoor Cabinet has a tight mechanical design, a clear line, and a vent system, the cabinet satisfies the requirements

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Customized Outdoor Cabinets Units | Equipped Cabinets and

Looking for the customized outdoor equipped DC cooled cabinets and enclosures. Hunterhex offer the quality products in reasonable

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18U Freestanding Stainless Steel Outdoor Rack

AZE's freestanding stainless steel outdoor rack cabinets are designed to protect

Oct 29, 2025

18U 600mm Wide x 600mm Deep IP65 Outdoor Server Cabinet Enclosure

Being designed to accommodate the weather protection of your choice, the outdoor server rack enclosures are available in NEMA

Jul 06, 2026

Outdoor Constant-temperature Battery Cabinet | BULLSPower®

Introduction: Constant-temperature Battery Cabinet is a good cabinet used for outdoor battery, with the wind, rain, sun, corrosion

May 24, 2026

Universal Outdoor Cabinet for Telecom, Energy Storage & Industrial

Safeguard your critical systems in any environment with our universal outdoor cabinet. Engineered for durability, these robust

Nov 23, 2025

Outdoor Enclosures

Ensures that the proper interior temperature is maintained inside your enclosure. Conveniently mounted on

Sep 24, 2025

Outdoor control cabinets

The smart outdoor control cabinet portfolio for overhead-line networks includes four ready-made solutions, termed as "GAO", for each

Jun 19, 2026

IP55/IP65 Outdoor PV Inverter Cabinet with Integrated Distribution

Designed for outdoor deployment, the cabinet features weather-resistant construction, efficient ventilation or air conditioning, and

Nov 10, 2025

Giganet IP55 15U Outdoor Cabinet With Air Conditioner Width 600mm Depth ...

Giganet IP55 Outdoor Cabinet has a tight mechanical design, a clear line, and a vent system, the cabinet satisfies the requirements

Jun 06, 2026

OUTDOOR CABINETS

Our outdoor cabinets in four design series withstand even the most demanding climate conditions thanks to first-class functional

Sep 17, 2025

DME PROLINK | IP55 Outdoor FM Cabinet 52U (H) 800mm (W) x

IP Rated Outdoor FM Cabinet offer protection against the unauthorized access, physical impacts (vandalism), Water/Dust ingress in

Nov 17, 2025

Server Rack Outdoor Cabinet | IP45 Rated

Safeguard your equipment with an IP45 rated outdoor server rack. Our freestanding outdoor server cabinet ensures reliable

Jan 11, 2026

24U Outdoor Cabinet | Climate-Controlled Telecom Enclosure

24U thermostatic outdoor cabinet This 24U thermostatic outdoor cabinet with NEMA-rated electrical enclosure is designed for

Jun 08, 2026

NEMA 4 NEMA 4X Outdoor Server Cabinet,16U,800mm Wide x 800mm

Being designed to accommodate the weather protection of your choice, the outdoor server rack enclosures are available in NEMA

Jan 19, 2026

Outdoor Cabinets | nVent SCHROFF

Outdoor IP55 cabinets act as a robust fortress, shielding the sensitive components of energy storage systems from harsh weather

Aug 21, 2025

800mm Wide Server Cabinet – SharkRack

The SRK Data Series Cabinets have the capacity and quality to meet modern IT Data Center requirements for high density

Jan 25, 2026

Giganet IP55 22U Outdoor Cabinet With Air Conditioner

Giganet IP55 Outdoor Cabinet has a tight mechanical design, a clear line, and a vent system, the cabinet

Jun 25, 2026

Outdoor Integrated Energy Storage Cabinet_On And Off Grid

Outdoor Integrated Energy Storage Cabinet Discover TANFON's Outdoor Integrated Energy Storage Systema cutting-edge solution

Dec 02, 2025

24U 750mm Wide x 600mm Deep IP54 IP55 Outdoor Cabinet,800W

AZE's 24U outdoor telecom enclosure with 800W air conditioner is designed to house a variety of telecommunication equipment with

Contact Us

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