Anhui Coolnet Data Power Co.,LTD

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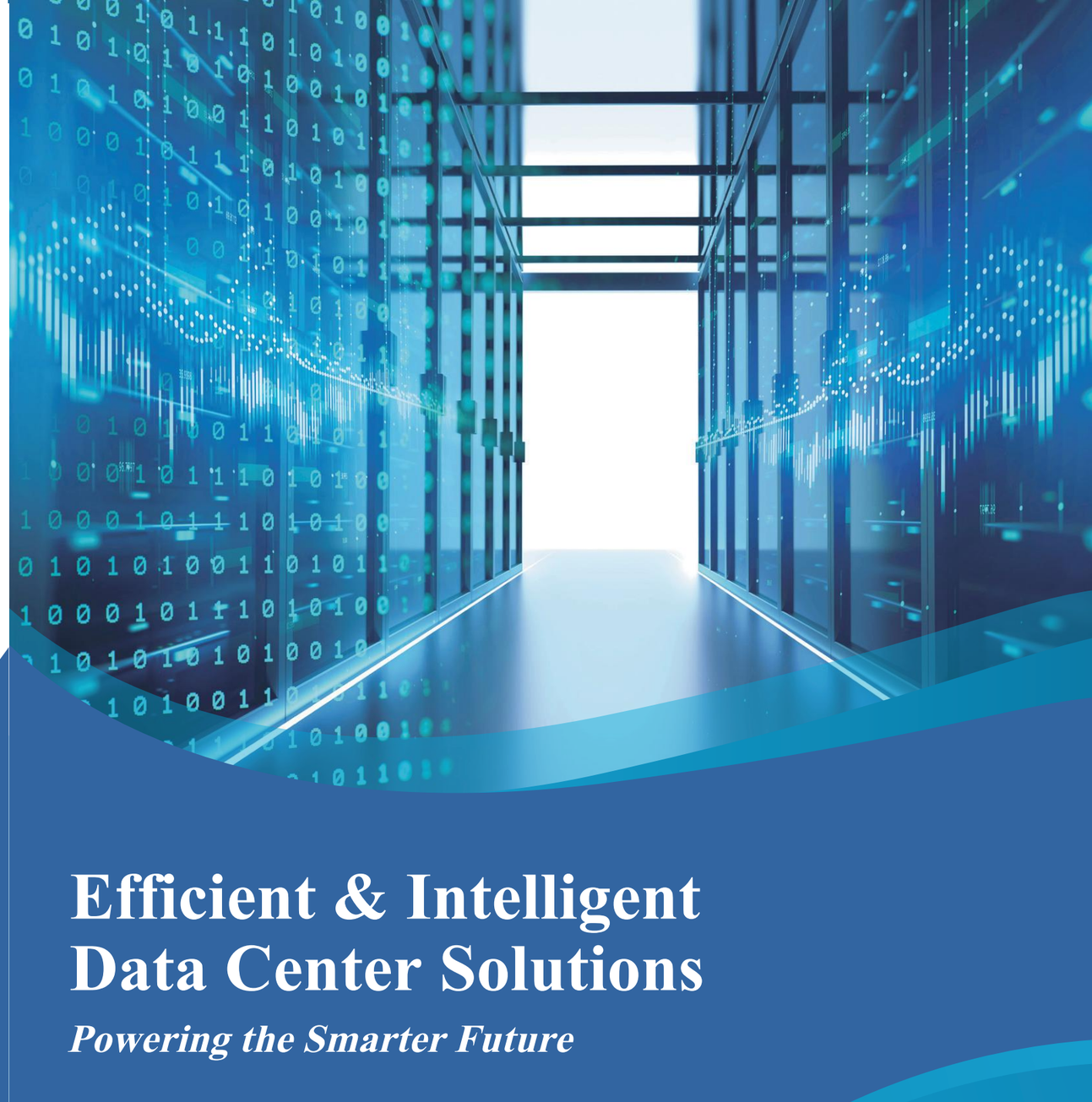


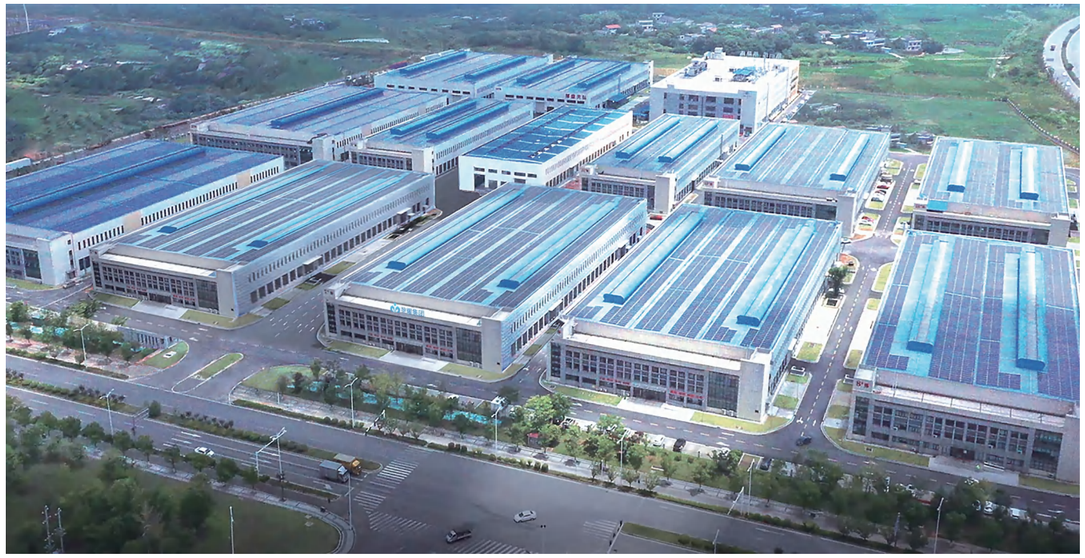
Efficient & Intelligent Data Center Solutions

Powering the Smarter Future

- Local Service
- Factory Inspection Service
- Free training
- Technical Guidance, Spare part Support
- 7×24 service, 30-minute response

COOLNET
Innovation and Precision

COOLNET POWER

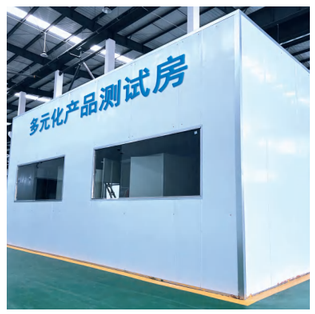


Company Introduction

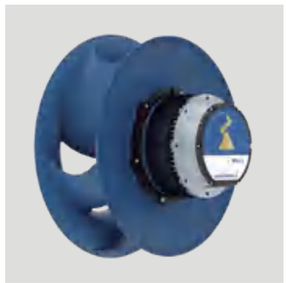
Coolnet is a high-tech enterprise dedicated to the data center industry,We deliver customized, end-to-end solutions for data center construction, Our product portfolio includes precision air conditioning, UPS power supplies, power distribution, modular data center solution , and environment monitoring, etc. Covering design, R&D, production, sales, and after-sales service.

Backed by extensive manufacturing experience with most advanced production facility , along with sheet metal production line ,intelligent assembly line , world-class laboratories and testing facilities. We are certified under ISO9001, ISO14001, and hold CE, CCC, CQC, and CRAA product certifications.

We are committed to delivering customer value and building win-win partnerships. Our goal is to be a trusted and reliable partner by offering cost-effective products and driving continuous innovation.



Precision Air Conditioner



▼ Efficient

- The design of large air volume, small enthalpy difference and high sensible heat ratio meets the requirements of the computer room environment and provides astable temperature and humidity environment for the computer room.
- High-efficiency compressors and fans are matched with the precise throttling design of the expansion valve to maximize energy efficiency.
- The outdoor fan adopts stepless speed control, which matches the system's condensing pressure and reduces the energy consumption of the whole machine.
- The control system has the function of group control, and multiple devices are centrally controlled to realize the overall energy saving of the cooling equipment in the computer room.

▼ Stable and Reliable

- Adopt well-known brand devices. The device and system design are stable and reliable.
- Perfect alarm protection function system to realize multi-level alarm protection such as power supply protection, water leakage protection, temperature and humidity alarm, system device protection, etc.
- Wide voltage input for stable operation, with power protection functions such as phase sequence detection.
- Smart call auto-start function.

▼ Intelligent control

- Color touch screen display, real-time display of system functional status and component operation.
- The control system has multi-level password protection, and intelligent judgment distinguishes different levels of alarm information.
- It has group control functions such as rotation and backup, and realizes automatic switching between the main machine and the standby machine at the set time.
- Standard RS485 monitoring interface.
- Realize remote setting, monitoring unit operation status and alarm information.

▼ Flexible

- Standard threaded quick connector, on-site quick installation without welding.
- Environmentally friendly refrigerant R410A.
- Optional EC fans with higher energy efficiency.
- Optional air supply method according to the site situation.
- According to the needs of the environment, choose auxiliary heating or humidification function configuration.

Cool Smart Series
(6-20KW)

Product Description

Cool Smart Series computer room AC are specially designed for the environment of small and medium data rooms, providing a stable and reliable precision environment for small and medium data centers. This series of air conditioners have the characteristics of large air volume, small enthalpy difference, high sensible heat ratio, high energy efficiency ratio, and high reliability, and can provide 24-hour uninterrupted operation for small and medium-sized data centers throughout the year. Cooling capacity covers 6~20kW, meeting different environmental temperature and humidity control requirements.

Application

- Computer Room
- Small and Medium Data Center
- Substation, Substation
- Storage Room, Testing Room
- 5G Communication Base Station
- Equipment Room With High Temperature and Humidity Control Requirements

Model	M06	M08	M13	M17	M20
Total Cooling Capacity KW	5.8	7.6	12.6	17.5	20.2
Sensible Cooling KW	5.2	6.9	11.3	15.7	18.2

Cyber Master Series
(20-120kw)

Product Description

Cyber Master series large and medium-sized air-cooled room-level precision air conditioners cover a cooling capacity of 20kW~120kW, and optional environmentally friendly refrigerant R410a. Chilled water room-level precision air conditioners have a cooling capacity of 30~200kW. Cyber Master series precision air conditioner adopts modular structure, which can realize different cooling capacity by combining different modules. There are a variety of air supply and return methods, which can be selected and matched according to the site

Application

- Computer Room and Data Center (IDC)
- Switch room and mobile room
- High-tech Environment and Laboratory
- Industrial Control Room and Precision
- Machining Equipment
- Standard Testing Room and Calibration Center
- UPS and Battery Room
- Biochemical Culture Room
- Hospitals and Testing Rooms

Model **CYA**	**S25**	**S31**	**S35**	**S40**	**S45**	**S50**	**T45**	**T50**	**T61**	**T70**	**T82**	**T90**	**T100**
Total Cooling Capacity KW	25.8	30.6	36	41	45.8	50.4	45.8	51.2	61.6	71.8	81.6	91	100.8
Sensible Cooling KW	23.2	27.6	32.4	36.9	41.3	45.9	38.3	46.3	56.4	65.3	73.4	82.7	90.7

Cool Row Series
In-Row PAC

Product Description

Cool Row series in-row precision air conditioners are specially designed for high heat density computer rooms and micro-module configurations. They can be close to the heat source for cooling , reduce the distance of the return air, increase the return air temperature, and adjust the output with the change of cooling capacity . It has a high sensible heat ratio, high Features of energy efficiency ratio. Full frequency conversion design, with electronic expansion valve to accurately adjust the flow, adapt to different load changes . Realize 30%- 100% variable capacity output and precise temperature control. The 7-inch color touch screen realizes the display of the running status of each component, and can realize intelligent group control of 32 units to ensure the stable operation of the entire module . According to the load change, the speed of the EC fan is dynamically adjusted, and a variety of control methods are available to ensure the maximum energy saving of the system. Standard RS485 interface and water leakage alarm.

300mm 600mm

Application

- High Heat Density Computer Room
- Modular Data Center
- Container Data Center

Model CRA	013	025	030	040	050	060
Total Cooling Capacity KW	13.2	26.7	32.5	42.6	53.3	63.9
Sensilble Cooling Capacity KW	13.2	26.7	32.5	42.6	53.3	63.9

Model CR W	030	060
Total Cooling Capacity kW	30.6	61.1
Sensilble Cooling Capacity kW	29.1	58.5

Cool Rack Series
Rack Mounted PAC

Product Description

Cool Rack series rack-mounted air conditioner is a cabinet-level temperature control product specially designed for integrated cabinets data center, modules data center or high heat density data centers. It can be placed in the cabinet close to the heat source and can accurately handle the output of the equipment in the cabinet. The high sensible heat can effectively prevent the generation of local hot spots, reduce the return air distance, increase the return air temperature, and improve the energy efficiency ratio.

Application

- Integrated Cabinet
- Single Row Cabinet
- Micro Rack Data Center
- Medium and High Heat
- Density Computer Room
- Modular Data Center
- IT Rack for Blade Servers

Model CJA	03	05	07	12
Phase/Function	1.5P、Single Phase	2P、Single Phase	3P、Single Phase	5P、Single Phase
Cooling Capacity KW	3.5	5.0	7.5	12.5
Sensible Cooling Capacity kW	3.5	5.0	7.5	12.5

Model CJT	3005	3006	3008	3013
Dimension：W*D*H mm	840 *285 *610	840 *285 *610	880 *360 *800	930 *390 *1270

Data Center Soultoin

Modular data centers are designed to address server trends such as cloud computing, virtualization, centralization, and high density. Based on a modular design concept, they integrate subsystems including power distribution, cooling, cabinets, airflow containment, cabling, and environmental monitoring. By adopting standardized design and factory prefabrication, they enable rapid deployment, lower initial investment, flexible scalability, and green energy efficiency, thereby improving overall operational efficiency.

Advantage

Fast Delivery

- Factory prefabricated, fast Installation on site。
- Plug and play, fast deployment delivery.

Cost-effective

- Engineering productization
- Configure on demand, saving equipment room investment.

Easy Management

- All key equipment and working status of the system can be monitored and managed through the monitoring system
- Manage the device through the device-side touch screen and remote computer.

Product

MetaRack Cabinet Data Center

MetaRack Computing Module

MetaRow Modular Data Center

MetaCuber Container Data Center

MetaRack Data Center Solution

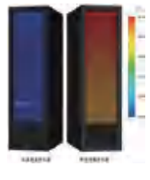
Introduction

The integrated cabinet is an innovative small and medium-sized overall computer room product and integrating the technical trends of various systems in the computer room. Based on the design concept of "productization of the whole computer room", it integrates functional modules such as uninterrupted power supply, cooling, power distribution, and environmental monitoring in the physical space of the standard cabinet to create a high-reliability operating environment for core equipment such as servers. And according to the user's business expansion requirements, the system can be deployed flexibly.

Applictation

- Business outlets (Industry like: telecommunications, finance, energy, radio and television, retai1..)
- Small enterprises
- Branches and networks of large enterprises, government, education,
- Healthcare
- Edge Data Center

Advantage



▼ Energy Efficiency

- The cold and hot aisles at the front and rear of the cabinet are closed to improve the cooling efficiency of the air conditioner.
- Inverter compressor, matching the load size, reducing the energy consumption of the whole machine.

▼ Stable and Reliable

- Emergency fan as emergency cooling.
- The power supply adopts 2N architecture.
- The ultra-wide voltage input operates stably, and has power protection functions such as phase sequence detection.
- Low temperature components or long connecting pipe components can be selected to ensure reliable operation.

▼ Intelligent Control

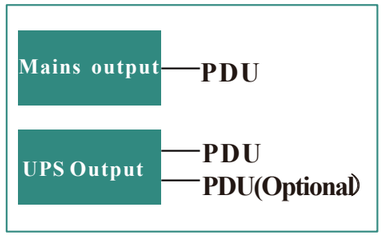
- The 10-inch large-screen touch screen.
- Manage smart devices such as UPS, air conditioners, and power distribution, as well as non-intelligent devices such as temperature and humidity, smoke detectors, and access control.

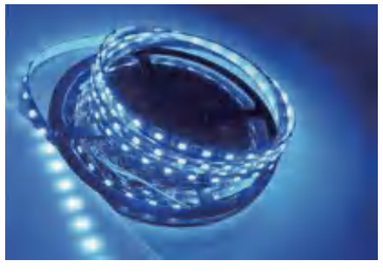
▼ Flexible

- Cabinet computer room, which can be placed flexibly.
- Standard with hot and cold channel double closed, can also be cold channel single closed.
- Rack-mounted inverter air-conditioning is standard, or inverter air-conditioning can be used between columns.

MetaRack Data Center

Advantage





▼ Flexible Power Architecture

- Power supply adopts 2N architecture.
- On-site adjustment of UPS + mains, or UPS+UPS.

▼ Visual Display System

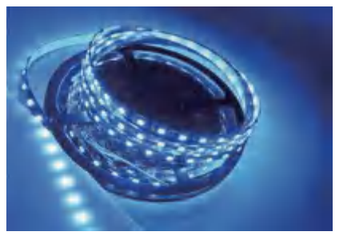
- Standard Three-color light strip.
- Visual display of system status.

MetaRack Data center

Advantage

▼ Save System Space

- Standard rack-mounted air conditioners.
- Save system space.



▼ Visual Display of System Status

- Standard Three-color light strip.
- Visual display of system status

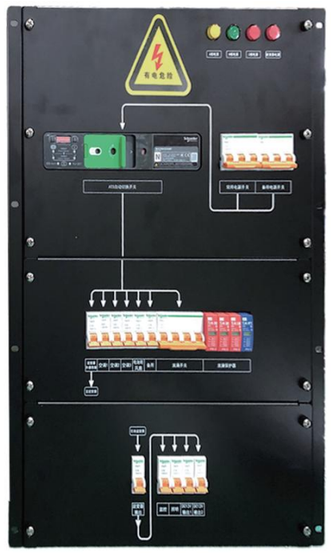
Power Distribution Module

Introduction

- The power distribution module of the integrated cabinet is a comprehensive power distribution module that integrates mains input, distribution, lightning protection, and UPS input and output. It adopts a 19-inch rack-mounted structure.
- It provides input power for UPS and air conditioners (AC).
- The main input end of the power distribution module is equipped with a B-level lightning protection module, which has surge suppression and protection functions for the entire power supply system.
- The UPS output is allocated as a circuit breaker to supply power for IT equipment and monitoring systems.
- Considering the flexibility of power distribution, the system reserves one output.
- All input and output switches and lightning protection modules are integrated on the power distribution module, and the module switch panel has a power indicator light to monitor the power supply status of the mains.
- The power distribution module provides input and output terminals for connecting the internal equipment of the system.

Advantage

- Configurable dual power switching function (optional)
- Anti-surge protection.
- Integrated power distribution function: with UPS input, output, bypass control functions, with overcurrent protection function, to ensure the safety， with real-time load current display, output control and overcurrent protection functions, reducing back-end short-circuit faults, Impact on UPS。
- There is one mains PDU output and UPS PDU output, and with the redundancy of cooling system, the safety level of the integrated cabinet reaches the B-level standard.



MetaRack Computing Module Solution

Introduction

Coolnet MetaRack Compute module is designed for high-density computing centers, it supports a power capacity of 22–45 kW per rack. Through dynamic cooling and hot/cold aisle containment, significantly improve cooling efficiency. with Modular component design, it enables rapid deployment, simple installation, and reduced space footprint. AI self-diagnostics, self-learning operation, and an intelligent monitoring and alarm system for easy operation and maintenance.

Applictation

- High-density HPC supercomputing in universities and research institutes.
- High density data center for government, scientific research, healthcare, education, finance, and administrative institutions.

Advantage

▼ Reliability

- Advanced design concept for High-density computing centers, delivers stability and long-term reliability.
- Features strong site adaptability, modular component design, simplified installation, and a small footprint.

▼ Intelligent Management

- Realize unified management of multiple sites and significantly improve the O&M efficiency.
- Support remote web and APP management.
- Intelligently AI operation to real-time indoor and outdoor temperature and power load, to reduces the energy consumption.

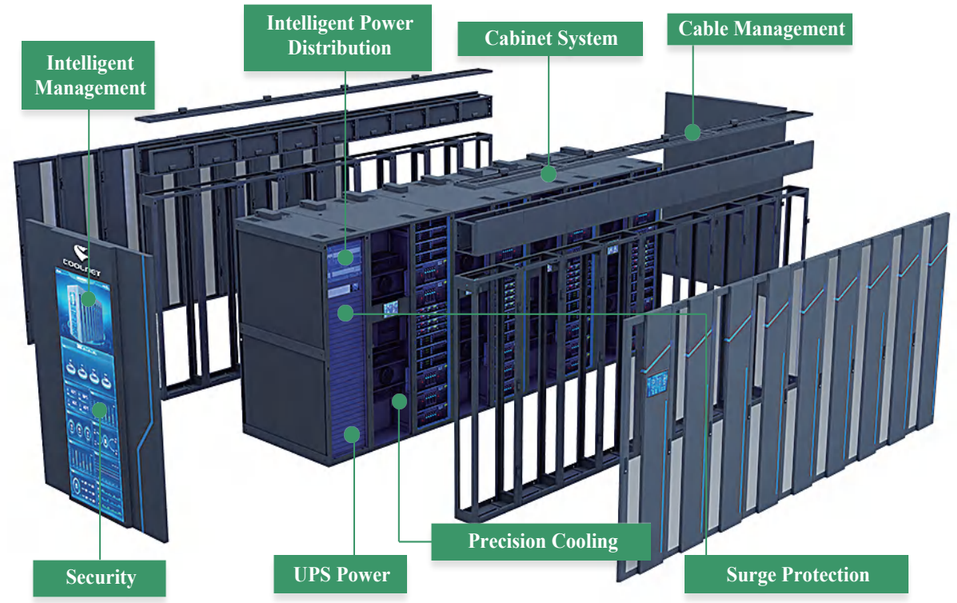
▼ High Efficiency

- Supports free cooling by utilizing outdoor natural cold sources to achieve high cooling efficiency, with an annual PUE lower to 1.2.
- Patented Free Cooling technology with fluorine pump heat pipe system achieves 40%-70% energy conservation.
- Hot and cold aisle layout , avoid the mixing of hot and cold air and improve the cooling efficiency in the module

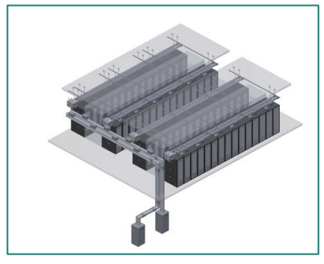
▼ Flexbility

- Modular design,one-stop fast deployment, flexible expansion.
- All components pre-installed and tested in factory, Highly integrated design, space saving by 50%

MetaRack Computing Module

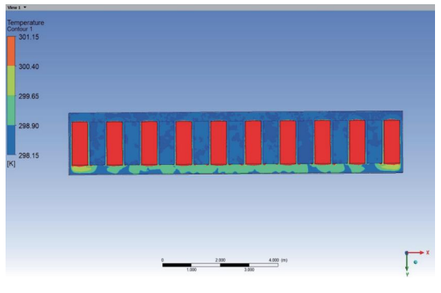


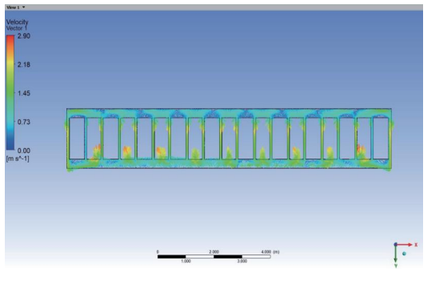
High-Reliability Power Distribution Track-Type Intelligent Busbar



Comprehensive Monitoring: Intelligent management for Power, Environment, and Security

Energy saving, PUE lowered to 1.2





MetaRow Modular Data Center Solution

Introduction

The double-row Module Data Center is an overall solution for data center construction and is highly integrated. A single module can include five major systems, including cabinets, cold aisles, power supply and distribution, cooling, and management. One module can meet all the basic conditions for the stable operation of IT loads. Micro-modules are mainly in the form of double-row cold aisles, but they can also be made into single-row or hot aisle forms. The system adopts the row-level near-end cooling method, which can Improve the return air temperature and further reduce the PUE.

Application

- Government
- Financial
- Operater
- IDC
- Education
- BATJ

Product Structure

Advantage

▼ Fast Delivery

- Factory prefabricated, fast Installation on site。
- Plug and play, fast deployment delivery.

▼ Cost-effective

- Engineering productization
- Configure on demand, saving equipment room investment.

▼ Easy Management

- All key equipment and working status of the system can be monitored and managed through the monitoring system
- Manage the device through the device-side touch screen and remote computer.

Double Row Module Data Center (Cold Aisle)

Product Description

The cold aisle system composed of double-row cabinets optimizes the airflow organization design of the data center by enclosing the cold air between the cabinets of the data center, which can improve the cooling efficiency, and effectively reduce the PUE value.

Product Advantages

▼Integrated Lighting

- Skylight with integrated lighting.
- Save space and improve lighting effects.

▼M- shaped Trunking

- The top of the channel is easy to install the M-shaped trunking， and it is easy to disassemble.
- The specially designed M-shaped trunting trough is convenient for cable management and offline.

▼Spliced Base

- Flatbed transport, reducing costs.
- On-site splicing without fire.
- Easy to level and ensure installation accuracy.

Cabinet

Product Description

The micro-module adopts the H-series special cabinet for data centers, which complies with national standards, communication industry standards and relevant IEC standards. With its unique geometric structure design and advanced cable management solution, it can install equipment in the cabinet and provide a high-quality, safe and stable operating environment for it. A full range of supporting cabinet accessories and cable management accessories are available as options.

Product Advantages

▼Adjustable Uprights

The U-prisms for equipment mounting can be adjusted fore-and-aft along the cabinet depth, accommodating equipment of various depths.

▼Two-Piece Side Panels

- The side panels feature snap-lock latches for tool-free, easy removal and installation.
- With a two-piece design, they are lightweight and easy to assemble/disassemble.

▼Tool-free Top Panel

- The top panel can be removed and installed without tools, quickly and easily.

Power Distribution Cabinet

Product Description

An intelligent column cabinet is a power distribution cabinet designed for the energy end of data center rooms, which comprehensively collects all energy data.It provides high-precision measurement data for the terminal energy monitoring system, displays power quality data in real time through the display unit, and uploads them to the back-end environment control system via digital communication.This enables real-time monitoring and effective management of the entire power distribution system, helps users optimize data centers, enhance energy consumption management, improve server operating efficiency, and provide comprehensive and reliable support for green data centers.

MetaCube Container Solution

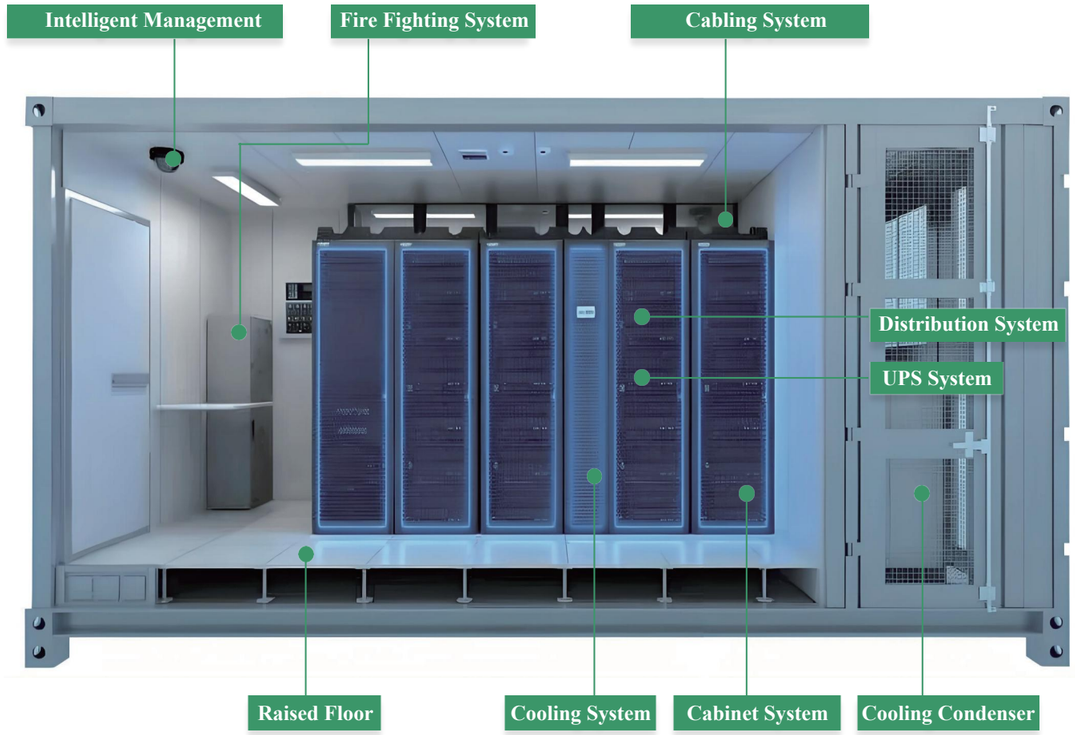
Introduction

MetaCube is an advanced outdoor and prefabricated all-in-one data center facility solution, applied to multiple indus_x0002_tries and scenarios , a ISO standard 20FT and 40FT containerized data center integrated power distribution, cooling management, cabinets, monitoring, and fire suppression subsystems. All infrastructure is fully prefabricated andpre-tested in the factory . On-site rapid deployment and true plug-and-play operation. The container has excellent protection capabilities and can be adapted to various outdoor application scenarios, supporting direct outdoor deploy_x0002_ment and long-term reliable operation with excellent seismic, wind, dust, and water resistance.

Application

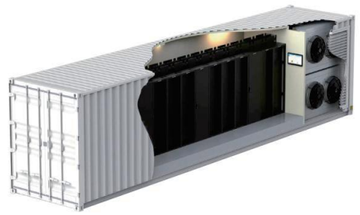
- Enterprise: Small Data RoomsFinancial
- Government: Smart City & Safe City Data Centers
- Education: University / Research Institution Data Centers
- Energy: Data Centers for Production & Exploration Sites
- Finance: Disaster Recovery Data Centers
- Transportation: Power Supply Solutions for Airport, Rail, and Port Sites without Dedicated Rooms
- Telecom Operator: Small IT Rooms, Compact IDCs, DR Rooms, and Edge Data Centers

Product Structure



MetaCube Container Data Center

20ft Container



40ft Container

Non-standard assembled container

Data Center Infrastructure Monitoring (DCIM)

The intelligent monitoring and management platform aims to conduct telemetry, remote signaling and other collection for data center power equipment, computer room environment and security monitoring objects.It records and processes monitoring data in real time, monitors equipment operating status, detects equipment faults, and performs necessary remote control and regulation operations.
It realizes centralized monitoring and management of computer room infrastructure, improves the reliability of the power supply system and the safety of communication equipment, and provides strong technical support for the automatic, intelligent and scientific management of the computer room.

Advantage

▼ Ensure Computer Room Safety

- Extensive Equipment Access And Monitoring
- Multiple Equipment Alarm Methods
- In-Depth Excavation Of Equipment Data
- Comprehensive Analysis Of Equipment Status

▼ Realize Unattended Operation

- Remote viewing of monitoring data
- Remote control management of monitoring equipment
- Support remote page visualization
- Remote push of system alarms

▼ Energy & Emission Reduction

- Real-time monitoring of computer room PUE
- Monitoring of computer room load status
- Realization of automatic equipment control
- Energy efficiency management data analysis

Types of Monitoring

Micro cabinet DC monitoring

Modular DC Monitoring

Data center integrated Power and environment Monitoring

3D Visualization

Monitoring Content

Power Monitoring ▼

- Power Distribution Cabinet Monitoring
- UPS Monitoring
- Storage Battery Monitoring
- PDU Monitoring

Coolnet Intelligent Monitoring & Management Platform

Environment Monitoring ▼

- Temperature & Humidity Monitoring
- Air Conditioning Monitoring
- Water Leakage Monitoring
- Gas Monitoring

Micro-Module Monitoring ▼

- Aisle Power & Environment Monitoring
- Skylight & Access Control
- Video Linkage Capture

Integrated Cabinet Monitoring ▼

- Power & Environment Monitoring Inside the Cabinet
- Ambient Light Control
- Fire Alarm Linkage Control

Security Monitoring ▼

- Video Monitoring
- Access Control Monitoring
- Infrared Monitoring
- Fire Monitoring

Micro cabinet DC monitoring

Advantage

▼ Comprehensive Monitoring

The functions fully meet the cabinet monitoring requirements and realize comprehensive monitoring of power and environment.

▼ Intelligent Touch

User-friendly human-machine interface.Through visual operation, users enjoy a what-you-see-is-what-you-get experience.

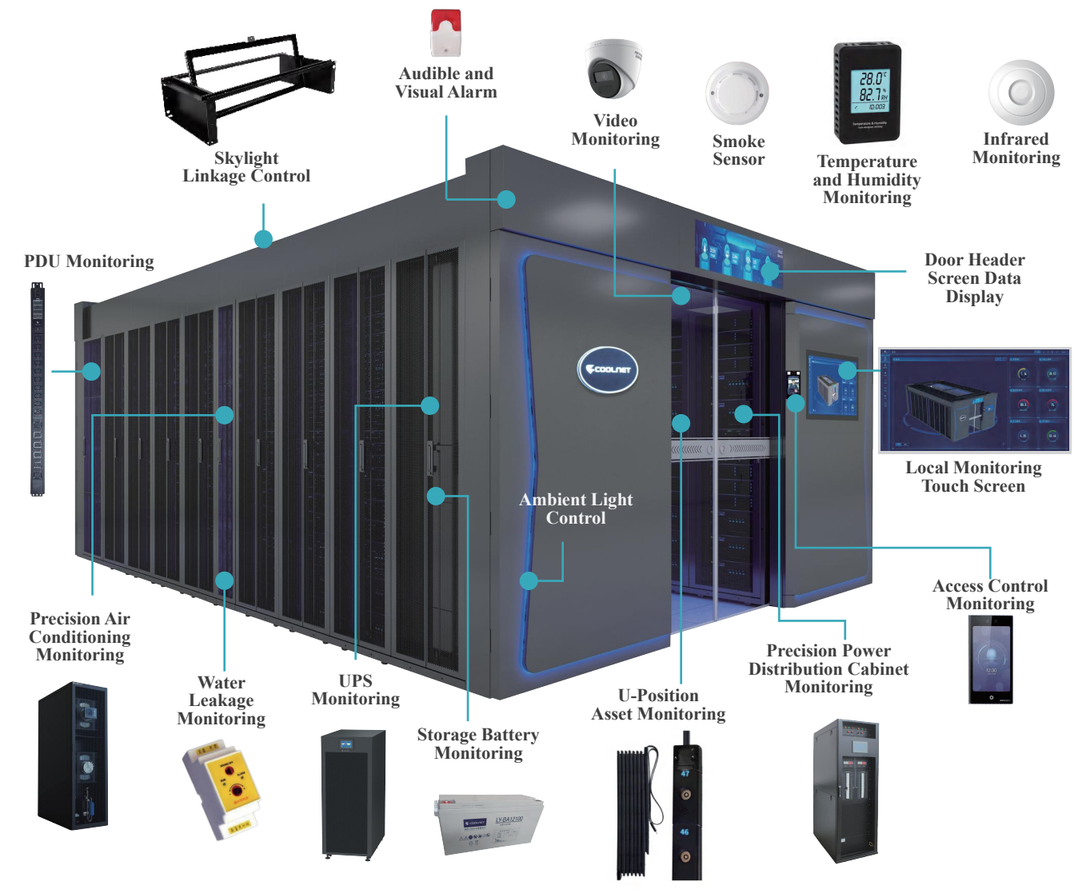
▼ Cabinet Micro-environment Early Warning

An early warning mechanism for cabinet-level environment and power consumption is established based on threshold alarms and change trends.

▼ Multi-terminal Linkage

Realize a closed working loop of "multi-terminal linkage and joint response".

Modular DC Monitoring



Advantage

▼ Real-time Control

Clear visibility of data and trends forpower, environment, security, and IT facilities in the equipment room.

▼ Precise Alarm

Fault preprocessing mechanism based on intelligent analysis,enabling fast fault location.

▼ Full Lifecycle Management

AI-enabled full lifecycle managementfor cold aisle equipment.

▼ Multi-terminal Linkage

Realize a closed working loop of"multi-terminal linkage and joint response".

Data center integrated Power and environment Monitoring

Advantage

▼ Management Content

- Power Monitoring
- Video Surveillance
- Remote Management
- Risk Prediction
- Environment Monitoring
- Access Control Monitoring
- Linkage Control

▼ Functional Modules

- Real-Time Monitoring
- Capacity Management
- Energy Management
- Asset Management
- Operations and Maintenance
- Data Report






3D Visualization

Introduction

3D Visualization System integrates 3D modeling, 3D scene simulation, equipment monitoring and alarm management, and multi-dimensional monitoring. It is an important platform for data center data presentation and a key means of data center management visualization.

Advantage

- Basic Modeling & Scene Construction
- Alarm Information & Statistics Visualization
- Visual O&M Inspection
- Power & Environment Scene & Equipment Visualization
- Asset & Capacity Visualization






UPS Products

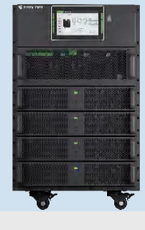
Product Description

UPS products all adopt high-frequency online double conversion technology, with a capacity ranging from 1KVA to 500KVA, which can be widely used in large, medium and small data rooms in various industries, as well as in industrial control, transportation, communication industry, energy industry, laboratories and other fields. Providing users with stable, safe and reliable high-quality UPS.

Application

- Power Data center
- Construction infrastructure
- Government, Healthcare, Education
- Transportation, Agriculture, Industrial manufacturing

Product Series

		
PGH Series High Frequency online Rack UPS 1-60KVA	PGH Series High Frequency onlineTower UPS 1-200KVA	PGM Series Modular UPS 10-1200KVA

PGH Series
1-20KVA

Power range

1-20KVA

Working style

Single-in, single-out

▼ Technical Features

- True online double conversion
- DSP technology ensures high performance.
- Output power factor is up to 0.8.
- Ultra-wide input mains range (110-300VAC)
- Improve performance by 94%
- Input power factor is up to 0.99
- 50Hz/60Hz frequency conversion mode
- Optional parallel operation of up to 4 units .
- ECO mode can effectively save energy
- Compatible generator input
- OVCD protection device (optional)

Type PGH	1101RT（L）	1102RT（L）	1103RT（L）	1106RT（L）	1110RT（L）
Phase	Single-in, single-out				
Capacity	1KVA/0.8KW	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW	10KVA/8KW
Input Voltag	200/208/220/230/240Vac				
Voltage Range	110-300Vac				

Type PGH	3110RT（L）	3115RT（L）	3120RT（L）
Phase	Single Phase + Ground		
Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW
Input Voltag	380/400/415VACVac		
Voltage Range	285~520VAC@100%Load176~520VAC@50%Load		

PGH Series
10-60KVA

Power range

10-60KVA

Working style

Three-in, three-out

▼ Technical Features

- Pure double conversion technology
- LCD screen auto-rotate (10K-30K models only)
- DSP technology guarantees high performance
- Output power factor 1.0
- Power factor correction
- 50 Hz/60Hz inverter mode
- Energy saving working mode (ECO)
- Emergency shutdown function (EPO)
- Support generator
- Support two inputs
- 3-stage charging design
- Optimize battery performance
- Adjustable number of batteries
- Suitable for long-term operation
- Support shared battery pack
- Optional isolation transformer
- Optional parallel operation
- SNMP+USB+RS-232 multiple communication
- Power walk-in function

Type PGH	3310RT（L）	3315RT（L）	3320RT（L）	3330RT（L）	3340RT（L）	3360RT（L）
Phase	Three-in, three-out					
Capacity	10KVA/10KW	15KVA/15KW	20KVA/20KW	30KVA/30KW	40KVA/40KW	60KVA/600KW
Rated voltage	3 x 380 VAC(3PH+N)					
Voltage Range	190-520 VAC (three phase) @ 50% load. -305-478 VAC (3 phase) @ 100% load					

PGH Series
1-10KVA

Power range

1-20KVA

Working style

Single-in, single-out

Technical Features

- True online double conversion
- Microprocessor control technology guarantees high performance
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V to 300 V)
- Efficient frequency conversion mode
- ECO mode can effectively save energy (only for 1~3K models)
- Compatible generator input
- Optional exquisite SNMP card can monitor perfectly alone or together with USB and RS232
- Simple operation control through the display, and comprehensive display to monitor the UPS status

Type PGH	1101TT（L）	1102TT（L）	1103TT（L）	1106TT（L）	1110TT（L）
Phase	Single-in, single-out				
Capacity	1KVA/0.8KW	2KVA/1.6KW	3KVA/2.4KW	6KVA/4.8KW	10KVA/8KW
Input Voltag	200/208/220/230/240VAC			208/220/230/240VAC	
Voltage Range	110-300VAC at 50% load; 160-280 VAC at 100% load			110-30OVAC at 50% load; 176-300 VAC at 100% load	

PGH Series
10-200KVA

Power range

10-200KVA

Working style

Three in and one out/
Three in and three out

Technical Features

- Pure double conversion technology
- DSP technology guarantees high performance
- Output power factor 1.0
- Power factor correction
- 50 Hz/60Hz inverter mode
- Energy saving working mode (ECO)
- Emergency shutdown function (EPO)
- Support generator
- SNMP+USB+RS-232 multiple
- 3-stage charging design
- Dual AC input
- Parallel operation of up to 6 units
- Can share battery
- Adjustable number of batteries
- Suitable for long runs
- Standard maintenance bypass
- Power walk- in function
- Optional isolation transformer

Type PGH	3310TT（L）	3315TT（L）	3120TT（L）	3130TT（L）	3340TT（L）	3360TT（L）	3380TT（L）	33100TT（L）	33120TT（L）	33180TT（L）	33200TT（L）
Phase	Three in and one out				Three in and three out						
Capacity	10KVA/8KW	10KVA/8KW	20KVA/16KW	20KVA/24KW	40KVA/36KW	60KVA/54KW	80KVA/64KW	100KVA/100KW	120KVA/120KW	180KVA/180KW	200KVA/200KW
Rated voltage	3x 400 VAC (3Ph+N)				3 x 380/400/415 VAC(3PH+N)						

PGM Series
50-600KVA

Power range

1-20KVA

Working style

Single-in, single-out

▼ Technical Features

- 10-inch touch LCD screen, intuitive screen status display, rich content display, convenient and simple operation
- The number of battery cells and the charging current can be set on-site according to requirements.
- Fully digital module parallel technology, excellent circulating current index
- System modular design, N+X redundancy, online hot-swap upgrade, expansion and maintenance
- Redundant intelligent speed-adjusting fans, low noise and energy saving
- DC start from battery (cold start) for easy operation
- Low cost of capacity expansion, only need to add power modules for later capacity expansion, no need to buy a whole set of equipment
- Green energy-saving power supply: the efficiency of the whole machine is 94. 5%, the input power factor is greater than 0.99, the input current harmonic is less than 4%, and the output power factor PF=1
- The power module is independently controlled and has no single point of failure risk
- Full frontal maintenance, providing up and down access to facilitate user wiring

Type PGM	200/50TTL	240/50TTL	300/50TTL	360/50TTL	600/50TTL	600/60TTL
Phase	Three-phase four-wire input / Three-phase four-wire output					
Capacity	200KVA/200KW	240KVA/240KW	300KVA/300KW	360KVA/360KW	600KVA/600KW	600KVA/600KW
Input Voltag	380/400/415VAC (L-L); 220/230/240VAC(L-N)					
Voltage Range	304 - 4 78VAC(L-L)full load; 304 - 228VAC (L-L) power derate from 100% to 75%					

Remote Monitoring & Management accessories

Modbus Card

MODBUS	• Control and monitor multiple UPSs via RS-485 interface. • Support MODBUS RTU communication protocol. • Read and write data through registers. • Provides surge protection.

SNMP Communication Card

SNMP	• Control and monitor multiple UPSs via RJ-45 interface. • Display UPS data (power voltage, frequency, load level, battery capacity). • Alert notifications can be delivered via audible and visual alarms, broadcast, mobile messenger, SNMP trap, and email. • Historical data can be stored in the terminal computer' s database Simple firm ware update.

9-pin Interface

Relay	AS-400 communication card provides contact signal, which can monitor UPS remotely. In order to meet the needs of different environments, this AS-400 card can set the signal status (open or closed) of dry contacts by jumping pins. The applicable environments are as follows: • IBM server, personal computer and workstation equipment. • Automatic control of industrial equipment and communication applications

Environmental detection equipment

EMD	This Environmental Monitoring Device (EMD) remotely detects temperature and humidity through SNMP interface, and also provides two dry contact signals to receive up to two compatible devices, such as security and alarm systems. • Plug and play, easy installation. • Monitor temperature and humidity to protect valuable equipment. • Allows to receive two self-defined dry contact signals. • With monitoring management software, the temperature and humidity status can be monitored remotely through the Internet. • Measures temperatures from 0 to 100°C with an accuracy of ±1.5°C. • Measures relative humidity from 10 to 90% with an accuracy of ± 3%.IBM server, personal computer and workstation equipment.

Battery Products

CN-BA Series
Lead-Acid Battery

Technical Features

- AGM valve regulated sealing technology
- High strength ABS slot cover material
- W ide temperature range (-15-45°C)
- Best applicable temperature (20±5°C)
- No leakage, safe and reliable to use
- Can be used vertically or horizontally, easy to transport and install
- High sealing reaction efficiency, small water loss, no need to add distilled water or electrolyte during use, easy to use and maintain
- Low self-discharge rate

Capacity range

38-200AH

Nominal voltage

12V

CN-BR Series
Battery Packs

Technical Features

- Rack-mounted with dual-interface design enables quick parallel connection of battery packs. It features integration, modularization, plug-and-play installation, and strong capacity expansion capability.
- Rated voltage levels include DC36V, 72V, 96V, 192V, 240V, meeting the requirements of UPS with various cell configurations.
- Meets the business needs of growing computer rooms at different stages and flexibly supports various expansion requirements.
- Satisfies the unified configuration and management demands of distributed computer rooms.

CN-BL Series Lithium-Ion Battery System

Technical Features

▼ High Reliability

- LiFePO₄ battery cells, safe and reliable.
- Long service life, up to 3000 cycles at 80% DOD.
- Three-layer BMS management system, ensuring the reliability of lithium batteries at all levels.

▼ High Cost Performance

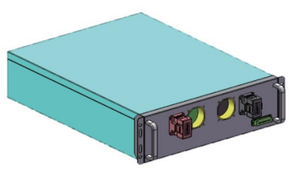
- Total investment is almost equivalent to that of lead-acid batteries.

▼ Intelligent Management

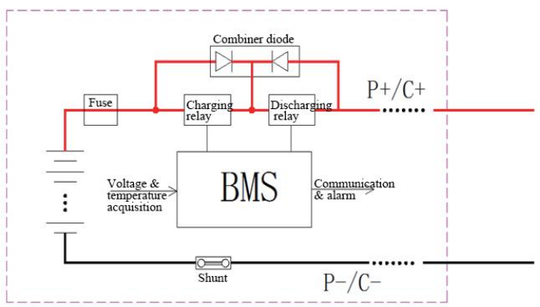
- Modular design, easy installation, self-management function, free from daily inspection.
- Communicate with UPS dry contacts, control the charge and discharge switching of the charger.

Intelligent Fire Protection System

- FK-5-1-12 (Novec™ 1230) fire extinguishing agent
- Hot-melt fire pipe design
- Built-in module + cabinet protection, eliminating internal and external risks
- 7×24 hours online monitoring, full-coverage safety



(51.2V50AH\100AH)



CN-EC Series Battery Cabinet

Introduction

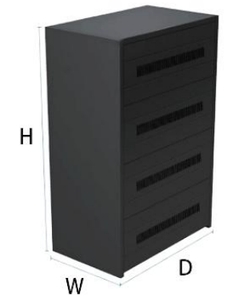
CN-EC Series Battery Cabinet features assembled structure, easy disassembly and assembly, simple and elegant appearance. It is the most economical UPS battery solution for small and micro computer rooms.

Application

UPS Battery Pack Installation

Installation

Floor-standing Combination



▼ Technical Features

- Process: Manufactured with imported high-precision laser cutting, CNC punching and bending. Professionally welded without gaps or burrs. Surface finished via polishing, pickling, phosphating, rust removal and anti-static spraying for corrosion resistance.
- Unique detachable design for easy transport and sturdy assembly. Middle widened rectangular tube accommodates small batteries. Switch knockout holes fit various small switches.
- Tool-free on-site assembly.
- Color: Black, customizable.

Front

Inside

CN-ES SeriesBattery Rack

Introduction

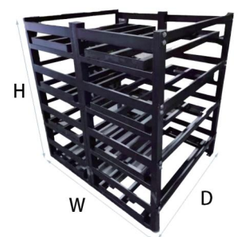
CN-ES Series Battery Rack features all-steel assembled structure, easy disassembly and assembly, simple and elegant appearance. It is the optimal UPS battery solution for medium and large computer rooms.

Application

UPS Battery Pack Installation

Installation

Floor-standing Combination



▼ Technical Features

- All-steel structure for more stable performance.
- Open design for easy maintenance.
- Detachable structure for flexible installation and transportation.
- Multiple racks can be connected in parallel for expansion.
- Color: Black. Other colors are customizable.
- Size can be customized according to project requirements.

Front

Side

Power Distribution System

Introduction

The low-voltage power distribution system consists of distribution substations (which usually step down the transmission voltage from the power grid to distribution voltage), high-voltage distribution lines (voltage above 1 kV), distribution transformers, low-voltage distribution lines (voltage below 1 kV), and corresponding control and protection equipment.

▼ Generally includes

Main equipment such as incoming cabinet, capacitor compensation cabinet, bus tie cabinet, outgoing cabinet, etc.

▼ Low-voltage cabinet & transformer section

Transformer → Incoming cabinet → Reactive power compensation cabinet → Bus tie cabinet → Outgoing cabinet.

▼ IT equipment terminal section

UPS input cabinet → UPS → UPS output cabinet → Precision power distribution cabinet (small busbar) → PDU.

▼ Refrigeration equiment terminal section

Dual power transfer switch cabinet → Power distribution cabinet(box)

BlokSeT Switchgear
(Schneider Electric Licensed)

Rated Current (Max)
6300A

Advantage

▼ Superior performance

with excellent electrical reliability, anti-corrosion options, strong EMC immunity, and arc-proof/seismic certification for safe operation in harsh environments.

▼ High reliability

ensured by international certifications (ASEFA), nationally tested key components, and Schneider Electric switching elements.

▼ Smart connectivity

enabled by optional pre-wired communication, multi-measurement sensors, and digital software for intelligent maintenance.

Applictation

- Buildings
- Industry
- Energy
- Data Center

Switchgear
(withdrawable switchgear)

Rated Current (Max)
4000A

Advantage

- The small doors of any two drawers in the same cabinet are independent, isolated and non-interfering with each other.
- Compact structure, flexible assembly, rational layout, neat arrangement and small footprint.
- Sturdy structure, reliable interlocking, high protection level and complete functions.
- Designed with high-current compartments and small-current multi-circuit drawer units.
- Safe and easy operation, good interchangeability, high short-time withstand current.
- Unique compatible design allows installation of circuit breakers of various brands.

Applictation

- Municipal utilities & commercial buildings
- Metal, mining, cement, paper industry
- Petroleum, chemical industry, electric power construction
- Telecommunications, information & electronic industry

Switchgear (fixed switchgear)

Rated Current (Max)
1600A

Advantage

▼ Universal Structure
8MF steel with 20 modular holes for easy standardization and modification.

▼ Efficient Heat Dissipation
Top/bottom vents create airflow to reduce internal heat.

▼ Professional Appearance
Golden ratio proportions for a clean, professional look.

▼ Easy Handling
Removable top cover and lifting rings for simple transport.

▼ Flexible Protection
IP30 standard, with IP20–IP40 options.

▼ Optional Digital Intelligence
Supports companion software for intelligent analysis and maintenance optimization, enhancing active management capabilities.

Applictation

- Substations
- Power plants
- Factories and mining enterprises

Power Distribution Cabinet/Box

Rated Current (Max)

630A /400A

Advantage

- Compact design, can be wall-mounted or placed nearby equipment for easy operation.
- Flexible interior with open layout for easy installation and maintenance.
- Sturdy enclosure made of welded steel/stainless steel, suitable for high IP ratings and indoor/outdoor use.

Environmental Conditions

- Max temporary temperature: 40°C
- Avg temperature range: -5°C to 35°C
- Operating humidity: ≤50%
- Derating required above 40°C;

Applications

- Industrial and commercial buildings

Smart PDU

Introduction

Smart PDU is a next-generation intelligent power distribution unit designed for data center network cabinets. It upgrades traditional PDUs via Ethernet or RS485 communication, enabling remote monitoring, control, and management of terminal equipment power.

Environmental Conditions

- Operating Temperature: -5°C to +60°C
- Operating Humidity: ≤90% (at 40°C±2°C), non-condensing
- Altitude: ≤2000m
- Storage Temperature: -40°C to +70°C
- Storage Humidity: ≤95% (at 40°C±2°C)

Applications

- Data centers

Key Advantages

▼ Modular Design

All functions are modular for flexible configuration.

▼ Flexible Input Options

Left/right, front/rear, single/dual inputs available.

▼ Multiple Functions

Options include switch, breaker, indicator, leakage protection, voltage/current display/alarm, and surge protection.

▼ Flame-Retardant & Durable

PC/ABS modules with aluminum or sheet metal housing.

▼ Remote Intelligence

Enables remote monitoring and control via network for enhanced data center safety.

Functions

Remote Monitoring

- Total Load Current (A)
- Operating Voltage (V)
- Total Power (kW)
- Frequency (Hz)
- Branch Circuit Load Current (A)
- Temperature, Humidity, Smoke, Water Leakage, etc. (Requires separately purchased modules)

Remote Control

- Main Power ON/OFF
- Branch Circuit Power ON/OFF
- Branch Circuit Sequential ON/OFF
- Branch Circuit Timed ON/OFF

Threshold Settings

- Total Current Upper Limit
- Voltage Upper/Lower Limits
- Branch Circuit Current Upper Limit
- Temperature & Humidity Upper/Lower Limits

Alarms

- Total Power Overload Alarm
- Temperature & Humidity Over-limit Alarm
- Smoke Alarm
- Water Leakage Alarm

Power Distribution Cabinet
(Power Distribution Column Cabinet)

Introduction

Coolnet-PBDT series power distribution cabinets are professional precision power distribution cabinets designed to address the single point of failure prone to occur in data center power distribution.They adopt an integrated power distribution design of power input, output and power monitoring, bringing convenience to data center construction and management.

Advantage

▼ High Safety

- The wiring layout inside the cabinet is reasonable and neat, equipped with independent neutral bar and ground bar, ensuring safe and reliable operation.
- Equipped with protective plates with openings; only operating handles and buttons are visible at the rear.

▼ High Maintainability

- Dual input and output can be designed, enabling maintenance without system power interruption.
- Hot-swappable and phase-adjustable switches are optional.
- Early warning for possible abnormalities such as overvoltage, undervoltage and overload in the power supply system of the equipment room.
- The cabinet adopts standard micro-module server cabinets with front and rear high-density mesh doors.
- Dimensions can be customized as required, and isolation transformer is optional.

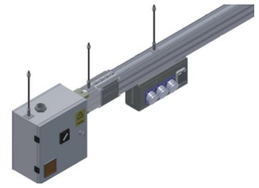
▼ High Reliability

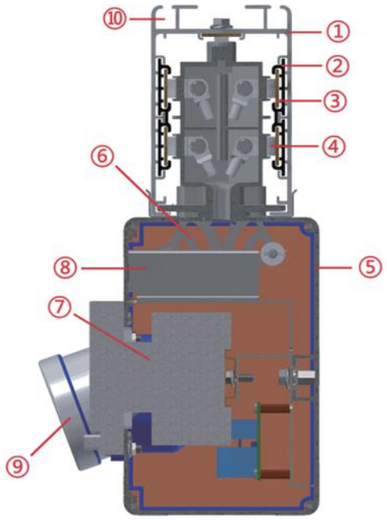
- Standard switches are Schneider series products. ABB, Siemens or other domestic brands are optional, featuring reliable performance, safety and maintenance-free.
- Surge protection and lightning protection.

Busbar System for Data Centers

Introduction

With the wide application of artificial intelligence and big data technologies, increasingly high requirements have been put forward for the construction of data centers.The rising power load and higher safety standards of data rooms have placed greater demands on power supply equipment for data centers.
Leveraging its technical advantages in the data center industry, Coolnet has carefully developed the higher-safety MASTER-LINE intelligent busbar system dedicated to data centers.It can be equipped with intelligent temperature monitoring and intelligent power monitoring systems to provide early warnings for equipment room operation, making customers' daily operation and maintenance more convenient.





① — Busbar enclosure

② — Insulation sheath

③ — Main busbar

④ — Power connection terminal

⑤ — Plug-in box body

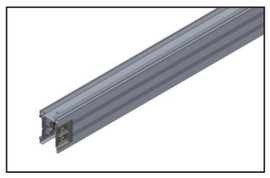
⑥ — Interlock mechanism

⑦ — Miniature circuit breaker (MCB)

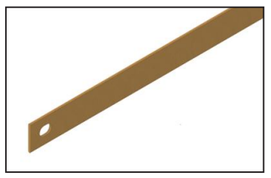
⑧ — Monitoring module

⑨ — Industrial socket

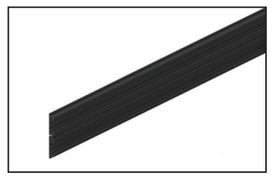
⑩ — Communication trunking



Busbar Enclosure

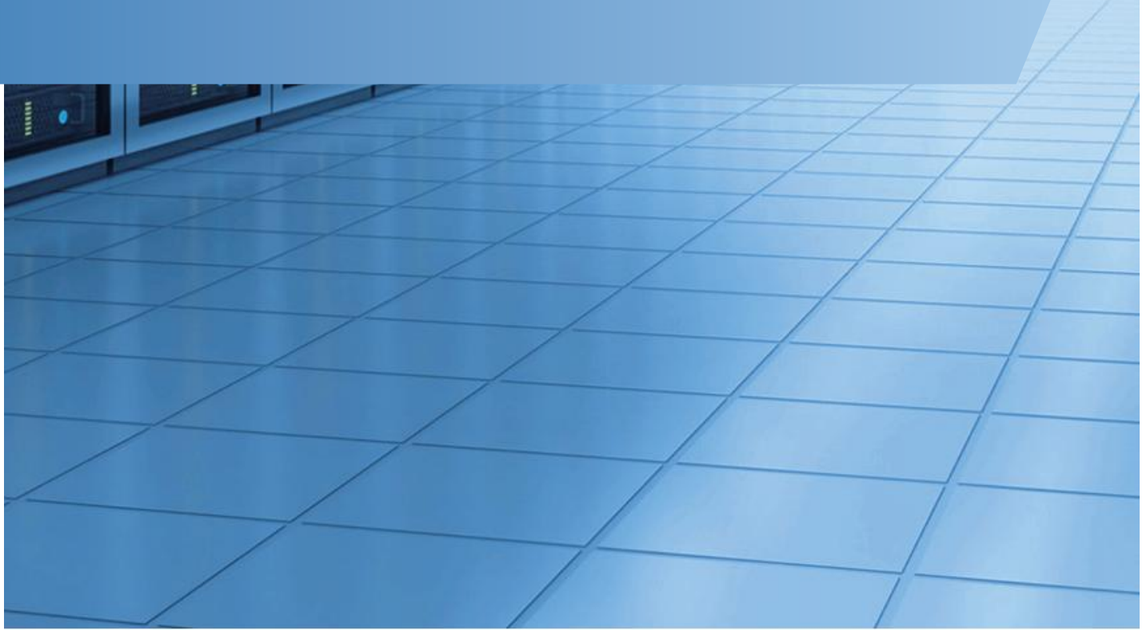


Busbar Conductor



Insulation Sheath

Anti-static Floor



Introduction

Data center rooms typically use a large number of high-performance computing devices, such as servers and network equipment. These devices generate static electricity during operation, so measures must be taken to reduce the risk of static accumulation and discharge.Many countries and regions have established construction and management standards for data center rooms, including requirements for anti-static measures.To comply with relevant regulations and standards, many data center rooms adopt products such as anti-static floors.

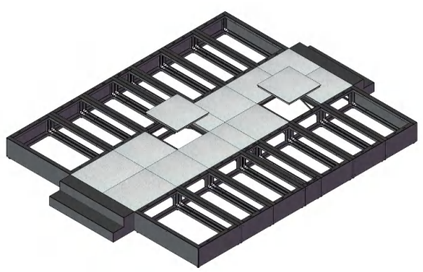
Features

Full-area flooring in equipment room

The floor shall be laid flat according to the actual area of the equipment room.The anti-static floor is used together with supporting pedestals.

Micro-module Prefabrication

Pre-fabricated installation inside the micro-module aisle, using self-produced supports, matched with modular assembled anti-static flooring.



Micro-module Prefabrication

Introduction

Designed with the characteristics of micro-modules in mind, the modular anti-static floor supports for the interior of the cold aisle are prefabricated in the factory.

Product Type

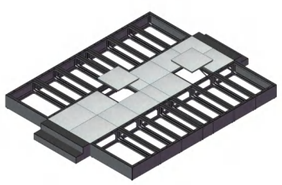
▼ Cabinet Load-Bearing Base

The aisle base inside the module adopts an assembled structure with prefabricated design, allowing fast on-site assembly and easy expansion.

▼ Ramp

Used in equipment rooms without anti-static flooring.
Configurable when the base height is above 300 mm.

▼ Aisle Middle Support



Used when the standard configuration changes according to cabinet width.
Supports are prefabricated standard parts.

▼ Base Height

Aisle base height + floor height = cabinet base height.
The height is customizable, with a standard cabinet base height of 300 mm.

Full-area flooring in equipment room

Solid Floor

All-steel anti-static floor, borderless/with border

Calcium sulfate anti-static floor

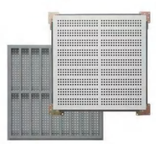
Ceramic anti-static floor

OA network floor

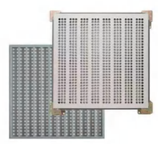
Glass floor

Perforated ventilation floor

Optional ventilation rate (standard: 35%)



Small perforations
Ventilation rate 15%



Small perforations
Ventilation rate 25%

20×20 round holes
Ventilation rate 40%

7×18 slot holes
Ventilation rate 50%