



# COOLNET POWER



## Company Introduction

Coolnet focuses on the R&D, production of data center integrated solutions. It is a service provider in the field of information infrastructure construction, with technologies, products and solutions. As a technical consulting, product supply, system integrator and service provider, it is committed to serving customers in the fields of communication equipment rooms, data centers, smart construction and energy management. Provide products and overall solutions.

Our solutions include data center temperature, humidity and energy-saving solutions, small and medium-sized computer room temperature control solutions, micro-module data center solutions, micro-module cabinet solutions, container and modular data center solutions, communication outdoor cabinet temperature control and energy saving Solutions, cabinet temperature and humidity, and energy-saving solutions.

Has rich research and manufacturing experience in the field of data center equipment, with world-class laboratories, production testing equipment and a complete line of key equipment rooms. And passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have passed CE certification, CCC certification, CQC certification, CRAA quality certification, etc.

We are committed to "pay attention to customer needs and realize customer value" and establish a win-win cooperation pattern with customers. To become your most trustworthy, most grateful, most professional, most practical, and most reliable partner with the best vision. We will "make every effort to provide value-for-money products and services to make customers more competitive", and continue to explore and innovate.



# Precision Air Conditioner



## Advantage



### ▼ 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 a stable 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 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 R407C/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                     | M04 | M06 | M08 | M13  | M17  | M20  |
|---------------------------|-----|-----|-----|------|------|------|
| Total Cooling Capacity kW | 4.5 | 6.6 | 8.1 | 13.3 | 18.2 | 21.8 |
| Sensible Cooling kW       | 3.9 | 5.7 | 6.8 | 11.5 | 15.6 | 18.8 |

# 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



| Modle CYA                 | S20  | S31  | S35  | S40  | S45  | S50  | T42  | T52  | T62  | T72  | T82  | T92  | T102  |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Total Cooling Capacity kW | 26.5 | 32.3 | 36.5 | 41.9 | 46.2 | 50.6 | 43.6 | 51.8 | 65.6 | 71.6 | 82.5 | 92.2 | 101.5 |
| Sensible Cooling kW       | 24.2 | 29.4 | 33.1 | 38.2 | 42.1 | 46.2 | 39.6 | 47.1 | 59.9 | 65.2 | 75.3 | 83.9 | 92.2  |

# 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

## Application

- ▶ High heat density computer room
- ▶ Modular Data Center
- ▶ container data center



300mm

| Model CRA                     | 013  | 025  | 030  | 040  |
|-------------------------------|------|------|------|------|
| Total Cooling Capacity kW     | 12.5 | 25.5 | 30.2 | 41.0 |
| Sensilble Cooling Capacity kW | 12.5 | 25.5 | 30.2 | 41.0 |

| Model CRC                     | 030  | 040  | 050  | 060  |
|-------------------------------|------|------|------|------|
| Total Cooling Capacity kW     | 30.5 | 40.4 | 50.3 | 65.7 |
| Sensilble Cooling Capacity kW | 30.5 | 40.4 | 50.3 | 65.7 |

# 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                         | CJA0003          | CJA0007          | CJA0012          |
|-------------------------------|------------------|------------------|------------------|
| Power                         | Single Pase 220V | Single Pase 220V | Single Pase 220V |
| Specification                 |                  |                  |                  |
| Total Cooling Capacity kW     | 3.5              | 7.5              | 12.5             |
| Sensilble Cooling Capacity kW | 3.5              | 7.5              | 12.5             |

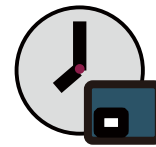
# Data Center Soultoin



## 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

## 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



Smart Cabinet Data Center



Mirco Data Center



Module Data Center



# Cabinet Data Center

## Introduction

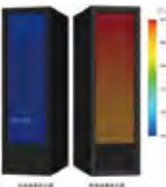
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## Application

- ▶ Business outlets (Industry like: telecommunications, finance, energy, radio and television, retail...)
- ▶ 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.

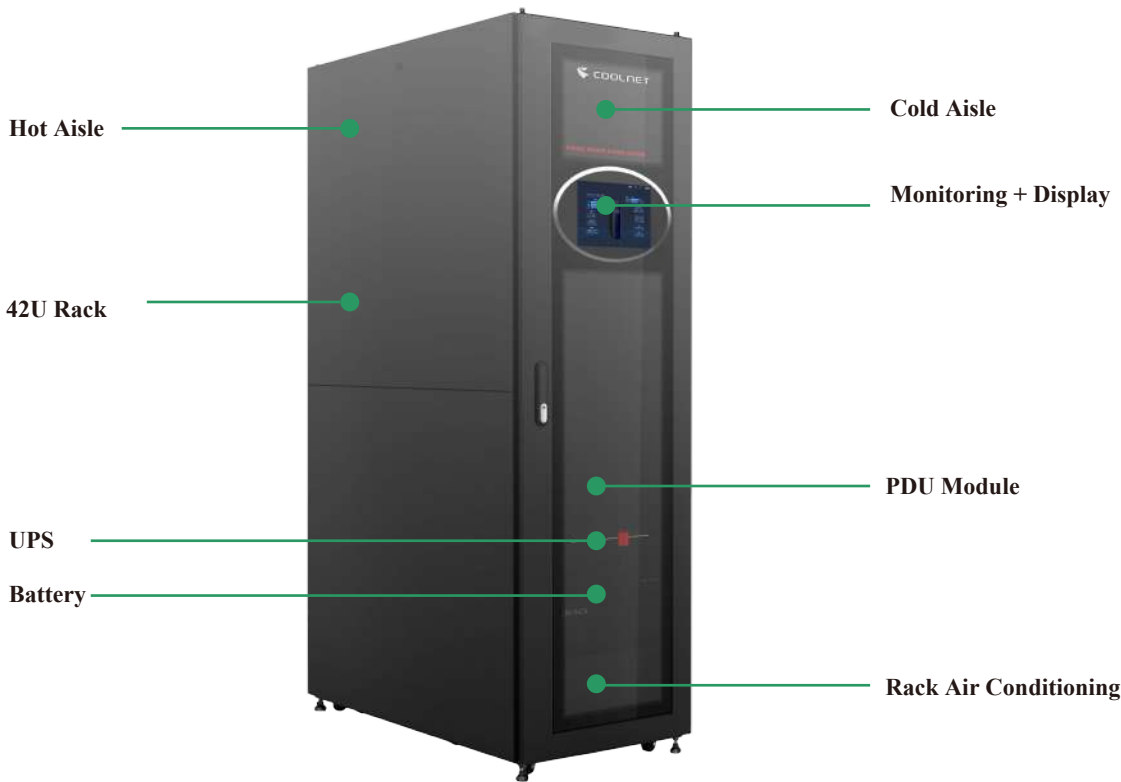
### ▼ Intelligent control

- 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.

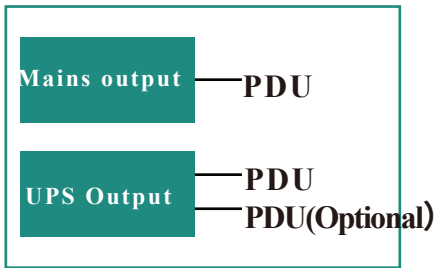
### ▼ Flexible

- Cabinet computer room, which can be placed flexibly.
- Manage smart devices such as UPS, air conditioners, and power distribution, as well as

# Rack Data Center

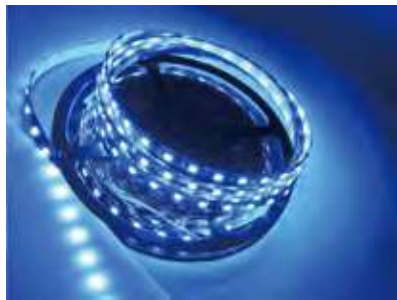


## Advantage



### ▼ Flexible Power Architecture

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



### ▼ Visual display system

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

# Cabinet Data Center

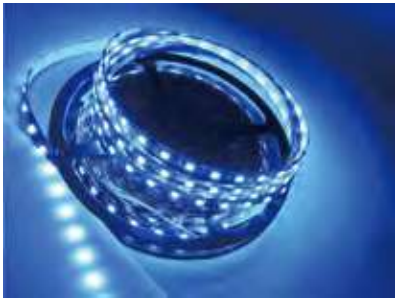


## Advantage



### ▼ Save system space

- Standard rack-mounted air conditioners save system space.



### ▼ Visual display of system status

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

# Power Distribution Unit

## 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, providing 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.



# Double Row Module Data Center

## Introduction

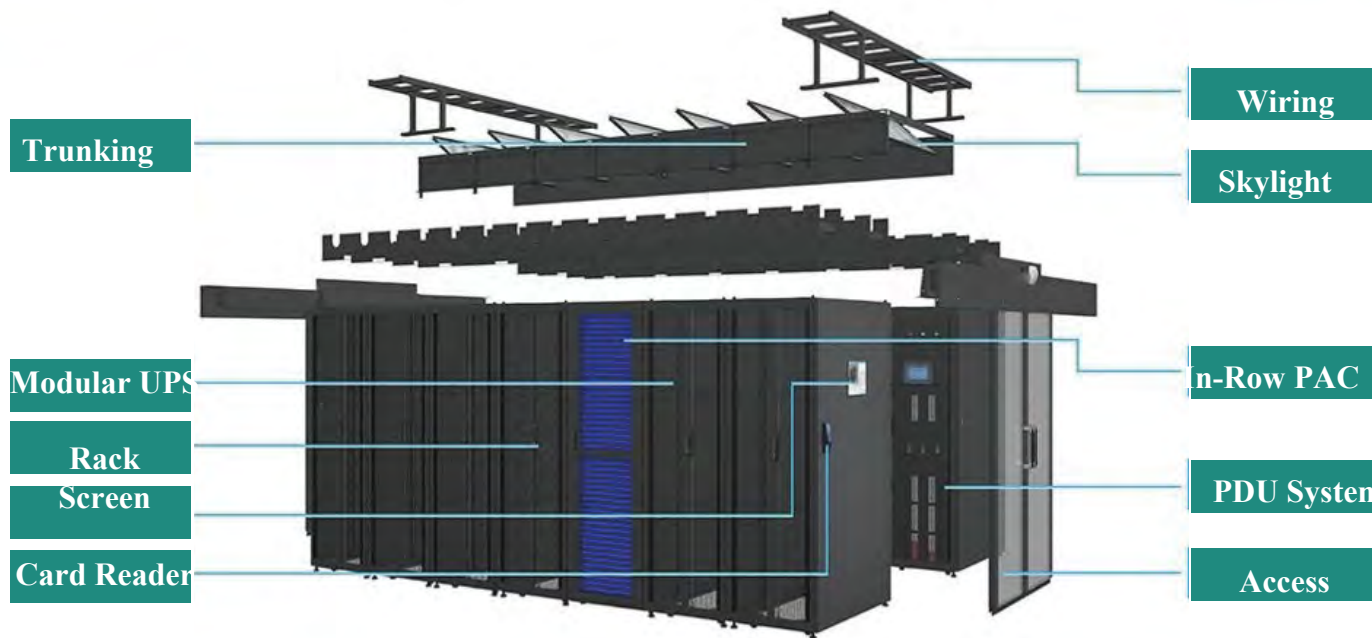
The double-row Module Data Center is an overall solution for data center construction and is highly integrated. A single module can include five major systems, including cabinets, cold aisles, power supply and distribution, cooling, and management. One module can meet all the basic conditions for the 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

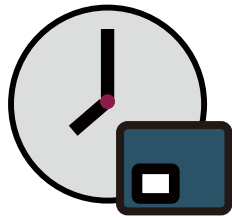
- ▶ Government
- ▶ Financial
- ▶ Operater
- ▶ IDC
- ▶ Education
- ▶ BA



## 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.

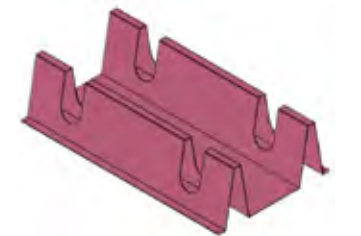


## Product Advantages



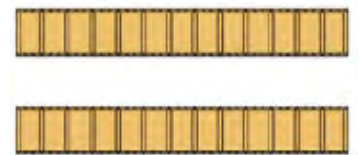
### ▼ Integrated lighting

- 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 trunking 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 modular data center uses the H-series data center special cabinet, which conforms to the national standard, the communication industry standard and the relevant standard of IEC. Unique geometric structure design and advanced cable management solutions can install equipment in the cabinet and provide it with a high-quality safe and stable operating environment. A full range of matching cabinet accessories and cable management parts can be selected.



# Power Distribution Cabinet

## Product Description

Power distribution cabinet comprehensively collects all energy data for the energy end of the data center room. Through the display unit, high-precision measurement data can be provided for the terminal energy monitoring system and the power quality data can be reflected in real time and uploaded to the environmental control system through digital communication, so as to achieve real-time monitoring of the entire power distribution system and effective management of operating quality, helping users optimize network data centers, strengthen energy consumption management, improve server operation efficiency, and provide reliable guarantees for all-round green data centers.



# Smart management



Message/Telephone/Emails/APP Notification

# Functional Structure



Power Cable Video  
VGA line USB  
Controlling line

Provide third-party integration interface  
1、Snmp interface  
2、WebApi interface  
3、Alarm interface



Computer room sound and light alarm



Integrated monitoring host IMMU-II



NVR



Camera/IPC machine



Battery Monitor BODM



Battery pack



UPS Power



Air Conditioning Units



Water Immersion



Smart meter



Temperature and humidity



Infrared ray



Fire alarm



Smart access control

## ▼ Monitoring Content

- Temperature and humidity: Monitor the overall temperature and humidity of cold aisle and cold aisle cabinets, and detect changes in temperature and humidity in real time.
- Fire: Smoke detectors are installed in the cold aisle to monitor the fire situation in real time; when a fire occurs, the skylight can be automatically opened and the access control can be linked.
- Access control: Install an access control system to limit the access of unauthorized personnel, monitor the opening and closing of cabinet doors, and provide real-time cabinet opening alarms for important cabinets.
- Video: Install high-definition cameras to monitor the access and operation of personnel in the channel in real time.
- Sunroof: Monitor the open/close status of the sunroof, and the sunroof can be opened and closed remotely.
- Emergency control: The emergency access control fails when the sunroof is opened.
- Smart devices: PDU, UPS, special air conditioner for cold aisle, location flooding, power PUE, etc.





# 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

|   |   |   |
|---|---|---|
|  |  |  |
| CN-UR Series<br>Rack mount UPS<br>Capacity range 1-60KVA                              | CN-UT Series<br>Tower UPS<br>Capacity range 1-200KVA                                  | CN-UM Series<br>Modular UPS<br>Capacity range 60-500KVA                               |

| Field1 | Meaning of Field 1 | Field2 | Meaning of Field 2 | Field3 | Meaning of Field 3 | Field4 | Meaning of Field 4    | Field5 | Meaning of Field 5 |
|--------|--------------------|--------|--------------------|--------|--------------------|--------|-----------------------|--------|--------------------|
| CN     | Coolnet power      | U      | UPS                | A      | Normal             | 12     | Voltage12V            | 100    | AH                 |
|        |                    |        |                    | R      | Rack mount         | 11     | Single-in, single-out | 10     | 10KVA              |
|        |                    |        |                    | T      | Tower              | 31     | Three-in, single-out  | 10     | 10KVA              |
|        |                    |        |                    | M      | Modular            | 15     | 15KModule             |        |                    |
|        |                    |        |                    |        | Modular            | 15     | 15KModule             | -90    | 90KSystem Cabinet  |



# CN-UR Series

## 1-10KVA



### Power range

1-10KVA

### 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 CN-UR    | 1101                   | 1102              | 1103             |
|---------------|------------------------|-------------------|------------------|
| Phase         | Single-in, single-out  |                   |                  |
| Capacity      | 1000 VA / 800 W        | 2000 VA / 1600 W  | 3000 VA / 2400 W |
| Input         |                        |                   |                  |
| Rated voltage | 200/208/220/230/240VAC |                   |                  |
| Type CN-UR    | 1106                   | 1110              |                  |
| Phase         | Single-in, single-out  |                   |                  |
| Capacity      | 6000 VA / 4800 W       | 10000 VA / 8000 W |                  |
| Input         |                        |                   |                  |
| Rated voltage | 208/220/230/240 VAC    |                   |                  |

# CN-UR Series

## 10-60KVA

### Power range

10-60KVA

### Working style

Three-in, three-out (10/20 compatible three-in, single-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 CN-UR        | 3310                                     | 3320       | 3330                | 3340       | 3360       |
|-------------------|--|------------|---------------------|------------|------------|
| Phase             | Three-in, three-out/three-in, single-out |            | Three-in, three-out |            |            |
| Capacity          | 10kVA/10kW                               | 20kVA/20kW | 30kVA/30kW          | 40kVA/40kW | 60kVA/60kW |
| Parallel capacity | 4 max                                    |            |                     |            |            |
| Input             |  |            |                     |            |            |
| Rated voltage     | 3 x 360*/380/400/415 VAC(3PH+N)          |            |                     |            |            |



# CN-UT Series

## 1-10KVA



### Power range

1-10KVA

### 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 CN-UT    | 1101                   | 1102             | 1103             | 1106                  | 1110              |
|---------------|------------------------|------------------|------------------|-----------------------|-------------------|
| Phase         | Single-in, single-out  |                  |                  | Single-in, single-out |                   |
| Capacity      | 1000 VA / 800 W        | 2000 VA / 1600 W | 3000 VA / 2400 W | 6000 VA / 4800 W      | 10000 VA / 8000 W |
| Input         |                        |                  |                  |                       |                   |
| Rated voltage | 200/208/220/230/240VAC |                  |                  | 208/220/230/240 VAC   |                   |

# CN-UT Series

## 10-200KVA



### Power range

10-200KVA

### Working style

3-in, 3-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 communication
  - 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 CN-UT          | 3310   | 3320           | 3330           | 3340           | 3360                       | 33100            | 33120            | 33160            | 33200            |
|---------------------|--|----------------|----------------|----------------|----------------------------|------------------|------------------|------------------|------------------|
| Phase               | Three-phase four-wire input / Three-phase four-wire output |                |                |                |                            |                  |                  |                  |                  |
| Capacity            | 10KVA/<br>10KW   | 20KVA/<br>20KW | 30KVA/<br>30KW | 40KVA/<br>40KW | 60KVA/<br>60KW             | 100KVA/<br>100KW | 120KVA/<br>120KW | 160KVA/<br>160KW | 200KVA/<br>200KW |
| Parallel capability | 4  |                |                |                | 6                          |                  |                  |                  |                  |
| Input               |  |                |                |                |                            |                  |                  |                  |                  |
| Rated voltage       | 3 x 380/400/415 VAC(3PH+N)                                 |                |                |                | 3 x 380/400/415 VAC(3PH+N) |                  |                  |                  |                  |

# CN-UM Series

## 60-500KVA



### Power range

60-500KVA

### Working style

3-in, 3-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                       | CN-UM  | 15-60            | 15-90            | 25-175 | 50-300 | 50-500 |
|----------------------------|--|------------------|------------------|--------|--------|--------|
| Phase                      | Three-phase four-wire input / Three-phase four-wire output |                  |                  |        |        |        |
| Capacity                   | 60KW   | 90KW             | 175KW            | 300KW  | 500KW  |        |
| Power Module Capacity      | 15KW   | 15KW             | 25KW             | 50KW   | 50KW   |        |
| Number of Power Modules    | 4  | 6                | 7                | 6      | 10     |        |
| Input                      |  |                  |                  |        |        |        |
| Rated voltage              | 3 x 380VAC/400VAC/415VAC (3phase+N)                        |                  |                  |        |        |        |
| Power Module Specification |  | 15               | 25               | 50     |        |        |
| Phase                      | Three-in, three-out  |                  |                  |        |        |        |
| Capacity                   | 15KW   | 25KW             | 50KW             |        |        |        |
| power Module               | 3P/3P 15KVA/15KW   | 3P/3P 25KVA/25KW | 3P/3P 50KVA/50KW |        |        |        |
| Dimension and Weight       | 650x440x132(3U)  | 650x440x132(3U)  | 750x438x130(3U)  |        |        |        |
|                            | 33   | 34.5             | 44               |        |        |        |

# Remote Monitoring & Management



Modbus Card



SNMP Communication Card



9-pin Interface



Environmental detection equipment

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

- 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 firmware update.

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.

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.



# CN-BA Series Lead-Acid Battery



## Capacity range

38-200AH

## Nominal voltage

12V

## ▼ Technical Features

- AGM valve regulated sealing technology
- High strength ABS slot cover material
- Wide 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

| Type       | Rated voltage | Capacity |       |         |         | Discharge termination voltage |
|------------|---------------|----------|-------|---------|---------|-------------------------------|
|            |               | C10      | C5    | C3      | C1      |                               |
| CN-BA1238  | 12V           | 40AH     | 32AH  | 30AH    | 24AH    | 10.5V(C10、C5、C3); 10.2V(C1)   |
| CN-BA1265  | 12V           | 65AH     | 52AH  | 48.75AH | 35.75AH | 10.5V(C10、C5、C3); 10.2V(C1)   |
| CN-BA12100 | 12V           | 100AH    | 80AH  | 75AH    | 55AH    | 10.5V(C10、C5、C3); 10.2V(C1)   |
| CN-BA12120 | 12V           | 120AH    | 96AH  | 90AH    | 66AH    | 10.5V(C10、C5、C3); 10.2V(C1)   |
| CN-BA12150 | 12V           | 150AH    | 120AH | 112.5AH | 82.5AH  | 10.5V(C10、C5、C3); 10.2V(C1)   |
| CN-BA12200 | 12V           | 200AH    | 160AH | 150AH   | 110AH   | 10.5V(C10、C5、C3); 10.2V(C1)   |

## Service system



## Project Cases

|  |                   |  |
|--|-------------------|--|
|  | <b>Government</b> | Ministry of Foreign Affairs, Shandong Provincial Party Committee, General Administration of Sport of China, Chinese Academy of Sciences, Chinese Academy of Social Sciences, Shandong Public Security Department, Rizhao Municipal Government, Dongguan Municipal Government, Liaoning Prison Administration, Beijing Public Security Bureau, Yan'an Public Security Bureau, Chaohu National Taxation, Jining Civil Defense, Calendar City Government, Wulian County Government, Tianjin Dagang Sub-district Office, Public Security County People's Court, Beijing Jianwai Police Station |
|  | <b>Education</b>  | Central Academy of Fine Arts, China Academy of Art, Shandong University of Science and Technology, PLA Institute of International Relations, Zhejiang University, Dalian University of Technology, Shanghai Jiaotong University, Dalian University for Nationalities, Middle School Affiliated to Northeast Normal University, Cangzhou No. 1 Middle School, Chongqing Chongguang Primary School   |
|  | <b>Power</b>      | State Grid Electric Vehicles, Jinan Electric Power, State Grid Feihua, Jiangsu State Grid, Shandong State Grid, Shanghai Electric Power, Xiyang 30MW wind power plant, Guodian Changzhou Power Plant, Hami Power Plant, Huaneng Weihai Power Plant   |
|  | <b>Hospital</b>   | Jinan Central Hospital, Changchun Children's Hospital, Hunan Xiangya Hospital, Shanghai Tongji Hospital  |
|  | <b>Operator</b>   | Shanghai Telecom, Sichuan Mobile, Beijing Telecom, Shandong Telecom, Sichuan Unicom, Hunan Unicom  |
|  | <b>IDC</b>        | Jing'an Big Data, Majuqiao Data Center, Tencent Waigaoqiao Data, Liaocheng Big Data, Runxun Big Data   |
|  | <b>Railway</b>    | Qinghai-Tibet Railway, Guangmei-Shantou Railway, Shenyang South Railway Station, Nanjiang Railway, Lanxin High-speed Railway, Shentong Metro, Shanghai Railway Bureau Passenger Dedicated Dispatching Building   |