JIANGSU DATANG WEISHI TECHNOLOGY CO.,LTD



CONTAINER DATA CENTER PRODUCT CATALOG

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CONTENTS

PRECISION AIR CONDITIONER

A ENTERPRISE INTRODUCTION

COMPANY PROFILE 01/04

CERTIFICATE 05/06

B PRODUCT CATALOG

CONTAINER DATA CENTER 05/07

CABINET SYSTEM 08

POWER DISTRIBUTION UNIT 09

UPS POWER SYSTEM 10

Precision Cooling System 11

DCIM Monitoring System 12/16



COMPANY PROFILE

Jiangsu Datang Weishi Technology Co., Ltd. is a well-known domestic supplier of intelligent digital computer room equipment. It is a technology company integrating design, R&D, sales and service, and one of the key domestic suppliers of intelligent digital computer room network equipment. The company is committed to realizing functions such as intelligent perception of digital computer rooms, digital-map integration of power management and control, and remote operation and maintenance. The products developed by the company cover a comprehensive intelligent system integrating computer room power management and control, IoT intelligence, digital-map integration and energy consumption management, ensuring the advancement and reliability of smart computer rooms.

We firmly believe that "Professionalism creates the future, and service builds mutual benefit". We are confident that Datang Weishi's professionalism will drive the brand's development and shape its future! In the days ahead, Datang Weishi will provide more professional and comprehensive services to customers in this field.Thank you for your support to Jiangsu Datang Weishi Technology Co., Ltd. Let us work together to build Datang Weishi's tomorrow, and let every one of our customers feel the dedication of the Datang Weishi team. Customer satisfaction is our eternal pursuit!

MARKET SHARE



19% Germany	14% USA	12% India	12% Canada	9% Taiwan	9% UK

SUPPORT OEM/ODM

We are a high-tech enterprise specializing in the R&D, production, and sales of data center infrastructure equipment. Our core products include PDU power strips, server cabinets, network cabinets, and KVM switches, and we are dedicated to providing comprehensive data center solutions for our customers. We actively support both OEM (Original Equipment Manufacturing) and ODM (Original Design Manufacturing) cooperation models. We possess end-to-end service capabilities from product design, mold development, injection molding production, product assembly, to final validation, enabling us to provide flexible and diverse customized solutions tailored to our clients' specific requirements. Our production base is located in the Jinying Industrial Park, Northeast Tang, Xishan District, Wuxi City, featuring a modern factory plant of 3,000 square meters. It is rationally organized with dedicated areas for high-precision mold R&D and production, a 100,000-class dust-free injection molding workshop, a 10,000-class product assembly workshop, and professional physical/chemical laboratories. We consistently adhere to technological innovation, utilizing advanced production equipment and manufacturing processes. Our quality management system is ISO 9001 certified, and our products have obtained national CCC certification, ensuring our entire production process from raw materials

10000m²
factory area

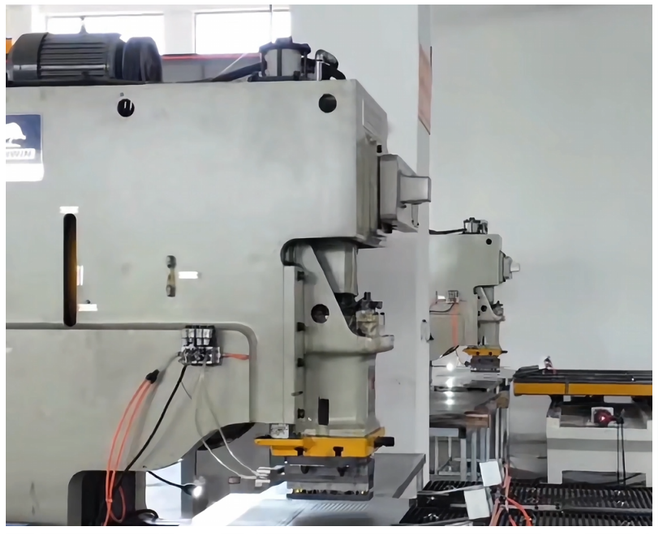
200000+
products annually

50+
exported to countries



WORKSHOP PRODUCTION PROCESS









CONTAINER DATA CENTER SOLUTION

The containerized outdoor prefabricated data center solution supports various ISO standard container specifications, meeting the land and maritime transportation needs worldwide. It has excellent protection capabilities and can adapt to a variety of outdoor application scenarios. The container integrates key IT infrastructure such as racks, UPS power supply and distribution systems, integrated precision air conditioners, monitoring systems, cabling systems, security systems, fire protection systems, and lighting systems. It can be plugged and used immediately on-site. It supports in-depth customization to meet the specific requirements of various application scenarios.



▪ Product Feature

Safe and Reliable

- All components follow domestic and international standardized production standard to ensure product quality.
- IP55 protection, with excellent waterproof performance, suitable for a variety of complex scenes.
- Redundant design of key components to improve system reliability.
- Integrated video, access control and intelligent monitoring management system to ensure safe and reliable equipment operation.

Efficiency and Energy saving

- All-in-one design, hot and cold aisle isolation, fully enclosed design, improve the efficiency of cooling and save energy.
- Adopt full inverter precision air conditioner, output cooling capacity on demand, precise cooling and save more energy.
- Adopt energy-efficient modular UPS with intelligent sleeping function, more energy-saving.
- Integrated design of power distribution cabinet and UPS, saving space..

Rapid Installation

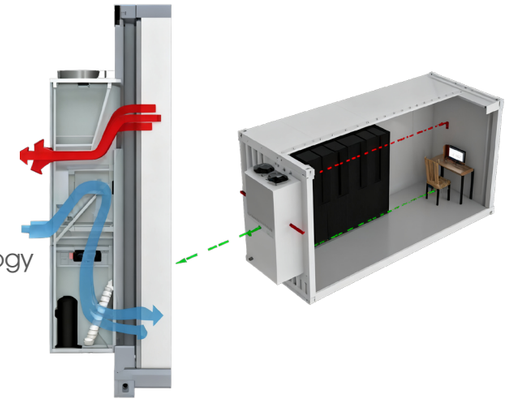
- Power supply and distribution, air conditioner, cabinets system, closed access, monitoring system and fire protection system are factory prefabricated and pre installed, plug-and-play.
- Standard container, in line with domestic and international sea and land transportation conditions, worldwide reachable.
- No need for professional server room, can be installed directly on the concrete floor of the building or outdoor, simple and fast.

Intelligent Management

- Intelligently monitor the working status of power and environmental system.
- Real-time alerts can be made in time via SMS, telephone voice, email, sound and light.
- Provide a variety of human-machine interaction methods such as O&M screen, remote APP, local LCD and Web.
- Provide ModbusTCP, MQTT and other northbound interfaces to facilitate system integration.

▪ Applicable Scene

Large-scale data center,campus data center and other core business server room,suitable for government,medical,education,finance,telecom and other leasing and self-use businesses

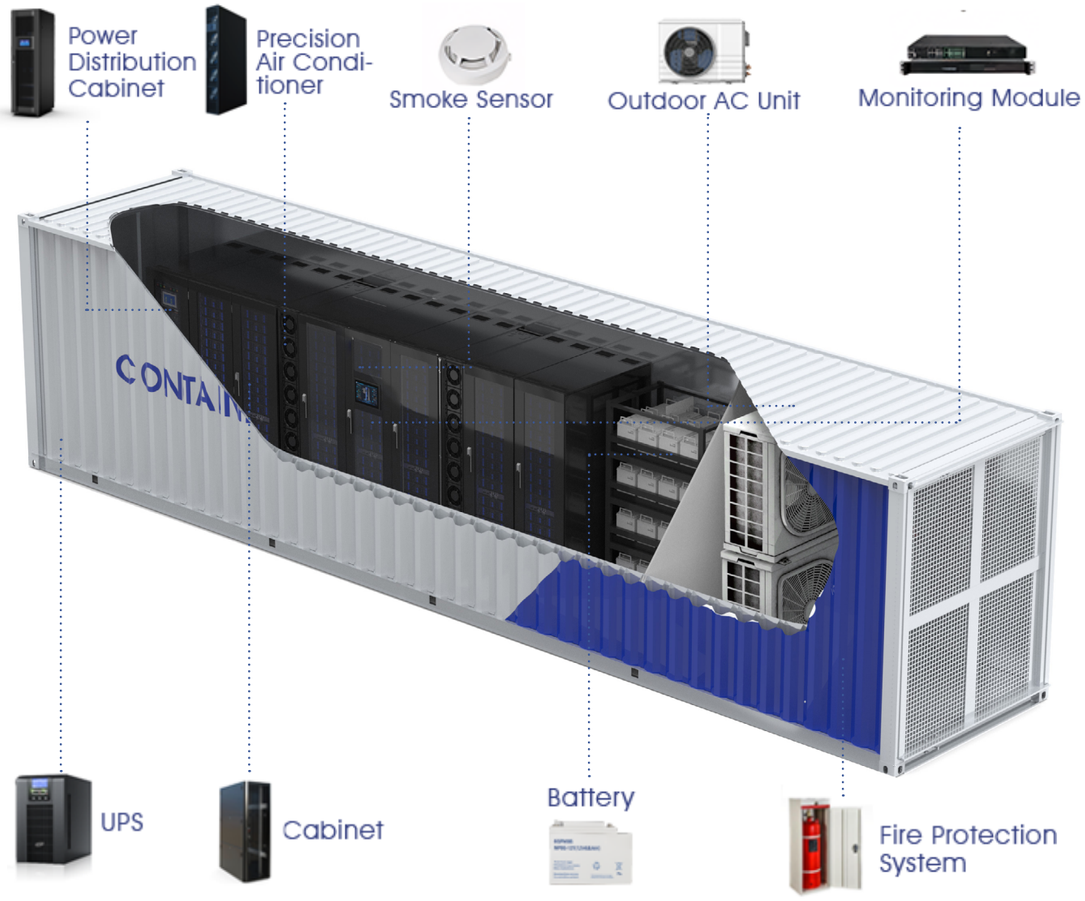


▪ Green Free Cooling

Indirect Free Cooling with Refrigerant Pump Technology

- PUE low to 1.2
- Peak EER goes upto 28.9 in cooler seasons.
- Independent internal and external loops,no dust / moisture concern.

▪ Structure and Composition

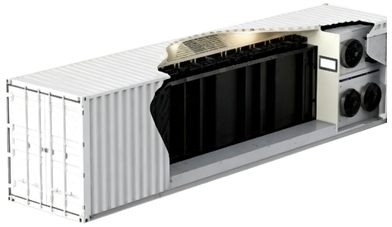


▪Flexible expansion

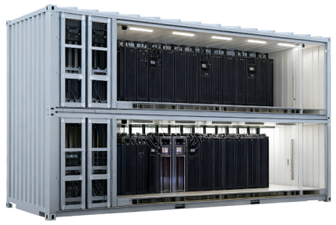
With its highly professional R&D and manufacturing capabilities, We can customize container data center for customers. Including system availability, protection capabilities, cabinet size, power supply system, cooling type and other special requirements.



20ft cabinet



40ft cabinet



Non-standard assembled cabinet

Product Parameters	DTICDC20	DTICDC40	DTICDC40
container size	20'HQ	40'HQ	40'HQ
Rack Specification	600*1100*2000	600*1100*2000	600*1100*2000
Single Rack Capacity	42U	42U	42U
Rack Quantity	4pcs	9pcs	12pcs
Single Rack Max. Capacity	6kW	6kW	6kW
IT Equipment Total Capacity	24kW	54kW	72kW
UPS	15KVA*3	15KVA*6	30KVA*4
	N+1 Modular UPS	N+1 Modular UPS	N+1 Modular UPS
Monitoring System	10 Minutes	10 Minutes	10 Minutes
Cooling Pattern	In RowAir Condition	In RowAir Condition	In RowAir Condition
Monitoring System	YES	YES	YES
Door Security System	YES	YES	YES
Fire Alarm And Gas Fire Extinguishing System	YES	YES	YES
Video Monitoring System	YES	YES	YES
EPO	YES	YES	YES
Transportability	Support	Support	Support
Stackable	Support	Support	Support
Application	Outdoor Type	Outdoor Type	Outdoor Type
Diesel Generator Module	Extra Position	Extra Position	Extra Position

CABINET SYSTEM

The rack system provides strong physical support for the data centre infrastructure. Highly reliable, secure, compatible and available, the system's superior design and flexibility enable data centres to achieve optimal performance and rapid deployment.



▪Features

- It adopts a10-fold profile welded frame structure with high strength and a static load of 1800KG.
- The flat high-density hexagonal mesh door enhances ventilation and heat dissipation, meets the requirements for mechanical protection and external observation of equipment operating status, with a ventilation rate of 75%.
- Integrated assembly structure design, the U-pillar for equipment installation can be adjusted front and back, making it easy to install other power distribution modules, with a static load of 1800KG.
- Various sizes, width 600/800mm, depth 600~1200mm, height 42/47/52U optional.
- Rich optional accessories: PDU, blind panels, shelves, L-shaped guide rails, cable management boards, cable troughs, ventilation fans, electronic access control, ambient lights,etc.
- The surface of the cabinet is degreased, phosphated and electrostatically sprayed to ensure that the cabinet is strong, reliable, and resistant to acid and alkali corrosion.

All-in-one Power Distribution Unit

▪Product Discription



The All-in-one intelligent power distribution system of Soetec Digital Energy Data Center is a new generation of highly integrated power supply and distribution system adapted to modular data centers based on the new intelligent modular UPS platform. It integrates UPS host, IT power distribution, air conditioning power distribution, lighting power distribution, Mains electricity ATS, UPS input power distribution and UPS output power distribution into one cabinet, and has the characteristics of simple and easy maintenance, high reliability and high efficiency, it can provide safe, stable and pure green power supply for data center load.

▪Application

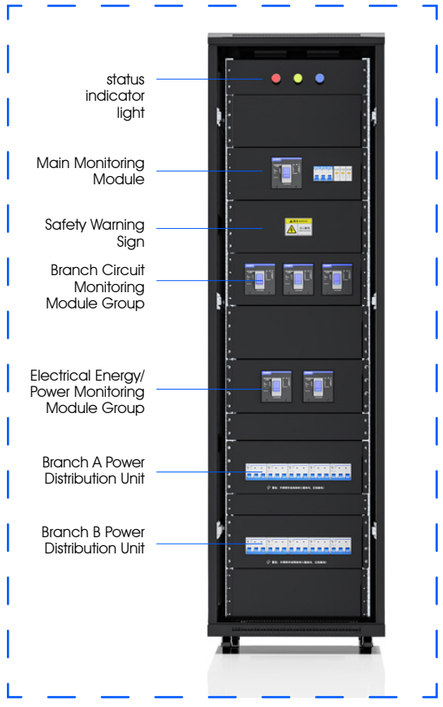
It is widely used in small and medium-sized data centers, edge DCs and other scenarios without independent power distribution rooms, covering a variety of industries such as finance, government, telecommunications, education, medical care, and manufacturing.

▪Features

Extreme Power Density

- The maximum support is 180kVA integrated UPS power supply and distribution, with industry-leading power density. Built-in 30kVA/30kW module, height is only 2U, system capacity supports phased deployment, power module and bypass module can be quickly replaced for easy maintenance.

- UPS, UPS input and output cabinet, precision distribution cabinet, three cabinets in one save 68% of floor space and save more than 55% of installation time.



UPS Power System

▪Product Discription

The modular UPS is designed for use in medium and large data centers to achieve maximum availability. This series adopts the latest three-level technology and PFC input technology to ensure 96% high efficiency and ultra-reliability

capacity range:30~600KVA



▪FEATURES

- Fully digital control, flexible and robust.
- 7&10 inch touch LCD,with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history recordstorage space
- Maximum system capacity up to 1.8MVA, the best solution for mega data center.

▪POWER MOUDULE



Moudule	Parameter	Dimensions	Weight(kg)
SUB 20K	3P/3P 20KVA/20KW	650*440*132(3U)	34
Rack Specification	3P/3P 30KVA/30KW	650*440*132(3U)	34.4

Precision Cooling System

▪Product Discription

Row mounting and airflow front/side discharge design bring cooling closer to the heat source, with intelligent controls that dynamically regulate output for improved cooling efficiency. Multiple configuration with air-cooled, water-cooled, and chilled water types, high reliability with world leading brand components support -40C – 55C continuous working. Full range of models are available to meet the needs of today's IT environments.

capacity range:13.2~25kW



▪Features

- Adopting high quality frequency conversion compressor, continuously adjustable between 30%~100% of cooling capacity, precise temperature control, low carbon and energy saving.
- All digital control to major components, maintaining optimum working status, and flexible adjustment per onsite working conditions.
- All digital control to major components, maintaining optimum working status, and flexible adjustment per onsite working conditions.
- Standard oil separator, optional energy-saving module, condensate pump, water leakage monitoring, extension components, etc., to support special application scenarios.
- R410A environmentally friendly high-efficiency refrigerant, high cooling efficiency, green and ozone layer depletion.
- Circuit breakers, contactors and other switching devices all adopt Schneider brand products, which are stable and reliable.

DCIM Monitoring System

▪Monitoring Interface

Smart DCIM System communicates with all key aspects through a full range of sensors to monitor the status of the infrastructure. Real-time alerts and notifications allow operators to proactively identify and address any issues promptly



▪Monitoring Host

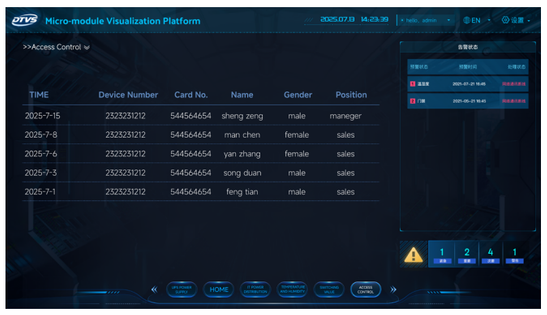
- The monitoring host uses Cortex-A8 CPU chip, 1G memory, and 8GFlash storage.
- Highly integrated monitoring software and hardware products, with high integration and rich interfaces, various monitored equipment and sensors can be installed directly through plug-in terminals, plug-and-play, and easy to construct.
- Supports dual 220V AC power supply.
- Support ZigBee wireless collection extension.
- Can support 4G wireless transmission expansion plug-in module.
- Optional SMS alarm module and phone voice alarm module are available.
- Full RJ45 interface design, unified standard, interface with power supply, simple and convenient wiring.
- The bottom hardware is photoelectrically isolated, has strong anti -interference and has lightning protection function.

DCIM Monitoring System









▪Features

Centralized Monitoring
Multiple computer rooms are connected to the Internet, with centralized access to power, environment, refrigeration, security and other equipment for unified real-time monitoring;

Remote Access
Client, browser, APP, convenient for users to access the system at any time and obtain the monitoring status of the computer room at any location;

Fault Warning
Multi-level flexible threshold strategies, timely reminders before equipment failure, to minimize the occurrence of faults and alarm storms

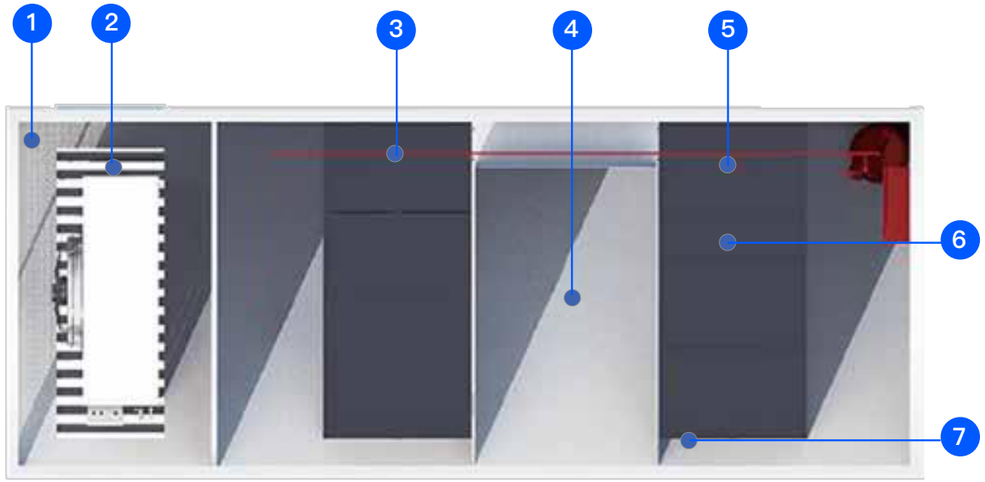
Alarm Notification
Multi-channel alarm notification, flexible combination of sound and light, SMS, phone and email notification, and hierarchical push notification strategy, so that stakeholders can know the fault in

Energy Efficiency
Supports automatic calculation and real-time display of the PUE index of the computer room, and provides energy consumption analysis data.

3D Display
It has the function of automatic slide show of 3D configuration diagram of the computer room. No mouse click is required. The software automatically plays the real-time status of each room.

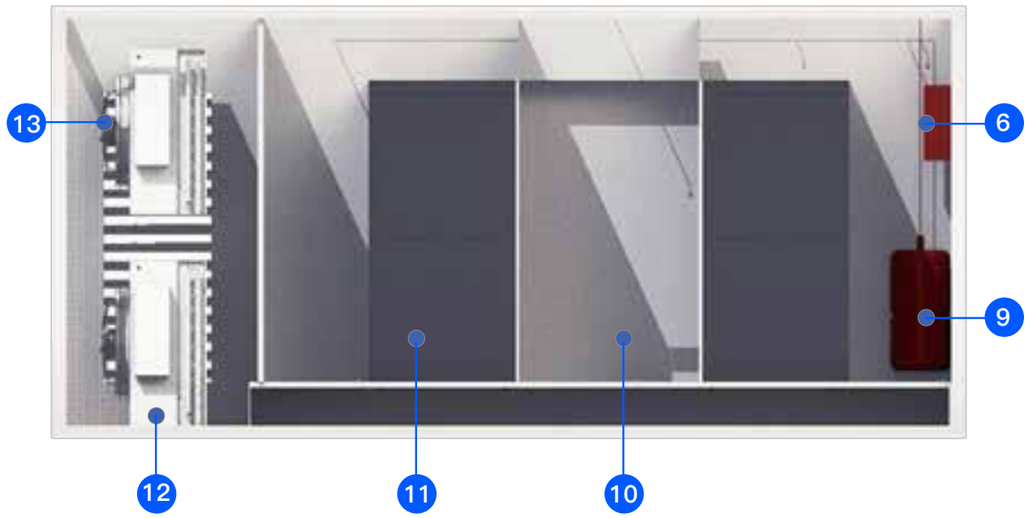
DCIM Monitoring System (SOLUTION 1)

▪Top View



① Container Body ② Cooling Louver ③ IT Cabinet ④ Fire Pipeline
⑤ In-Row Air Conditioner ⑥ Integrated UPS Cabinet ⑦ Battery Cabinet

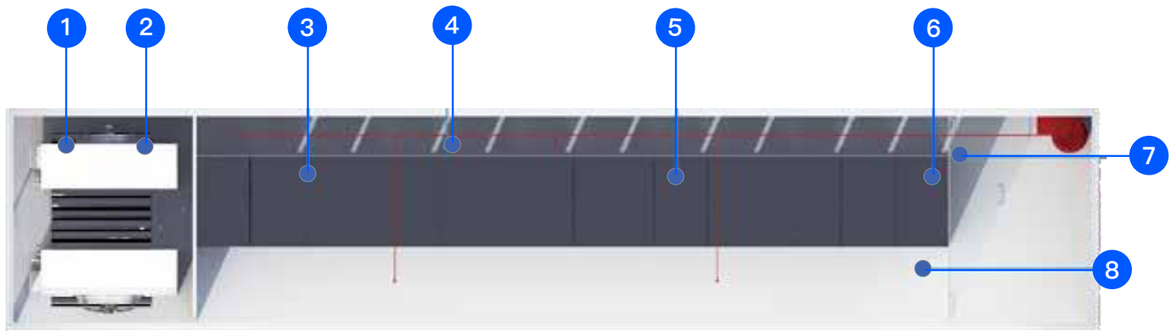
▪Front View



⑧ Fire Control Box ⑨ Fire Extinguishing Bottle ⑩ Cold Aisle
⑪ Hot Aisle ⑫ Hot Aisle ⑬ Outdoor Unit Isolation Wall

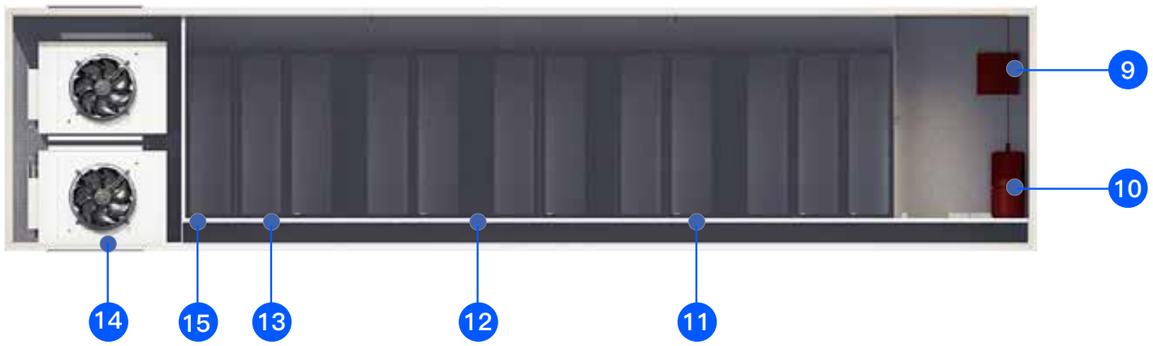
DCIM Monitoring System (SOLUTION 2)

▪Top View



① Container Body ② Cooling Louver ③ IT Cabinet ④ Fire Pipeline
⑤ Hot Aisle ⑥ Battery Cabinet ⑦ Sliding Door ⑧ Cold Aisle

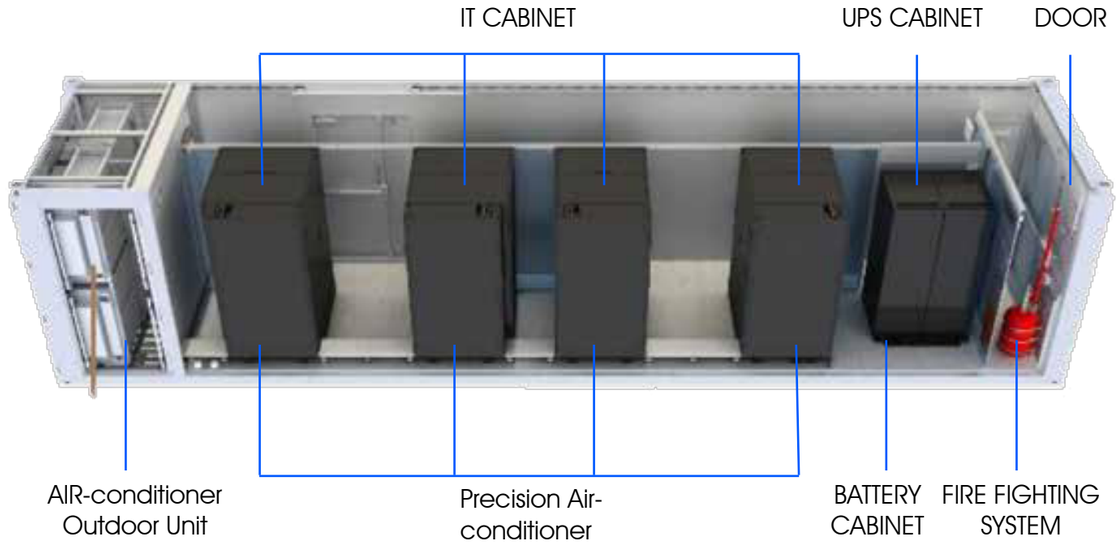
▪Front View



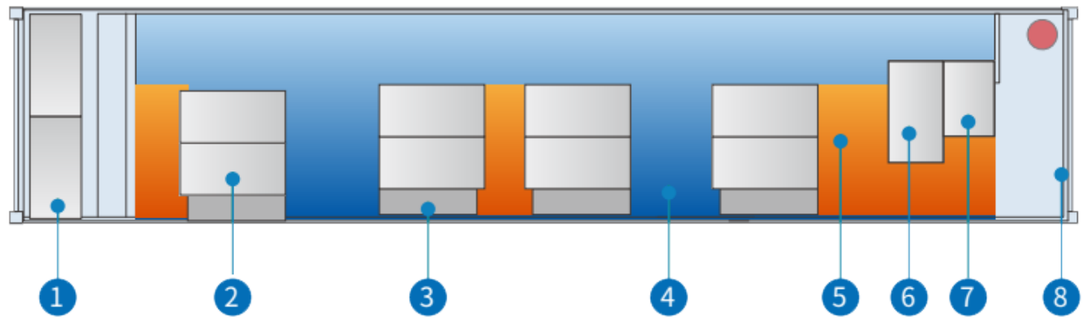
⑨ Fire Control Panel ⑩ Fire Extinguishing Bottle ⑪ Integrated UPS Cabinet
⑫ In-Row Air Conditioner ⑬ Optical Distribution Frame Cabinet ⑭ Air Conditioner Outdoor Unit
⑮ Outdoor Unit Isolation Wall

DCIM Monitoring System (SOLUTION 3)

▪Top View



▪Front View



① Air–conditioner Outdoor Unit ② IT Cabinet ③ Precision Air–conditioner
④ Cold Aisle ⑤ Hot Aisle ⑥ Integrated UPS Cabinet ⑦ Battery Cabinet ⑧ Door