

# I-Container Series Prefabricated Modular Data Center

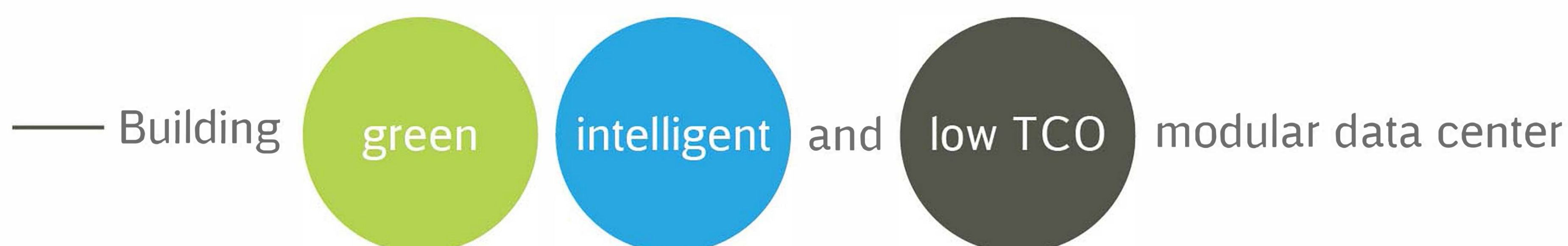
All-In-One Container Data Center





# PRODUCT INTRODUCTION

## Container Data Center Solution

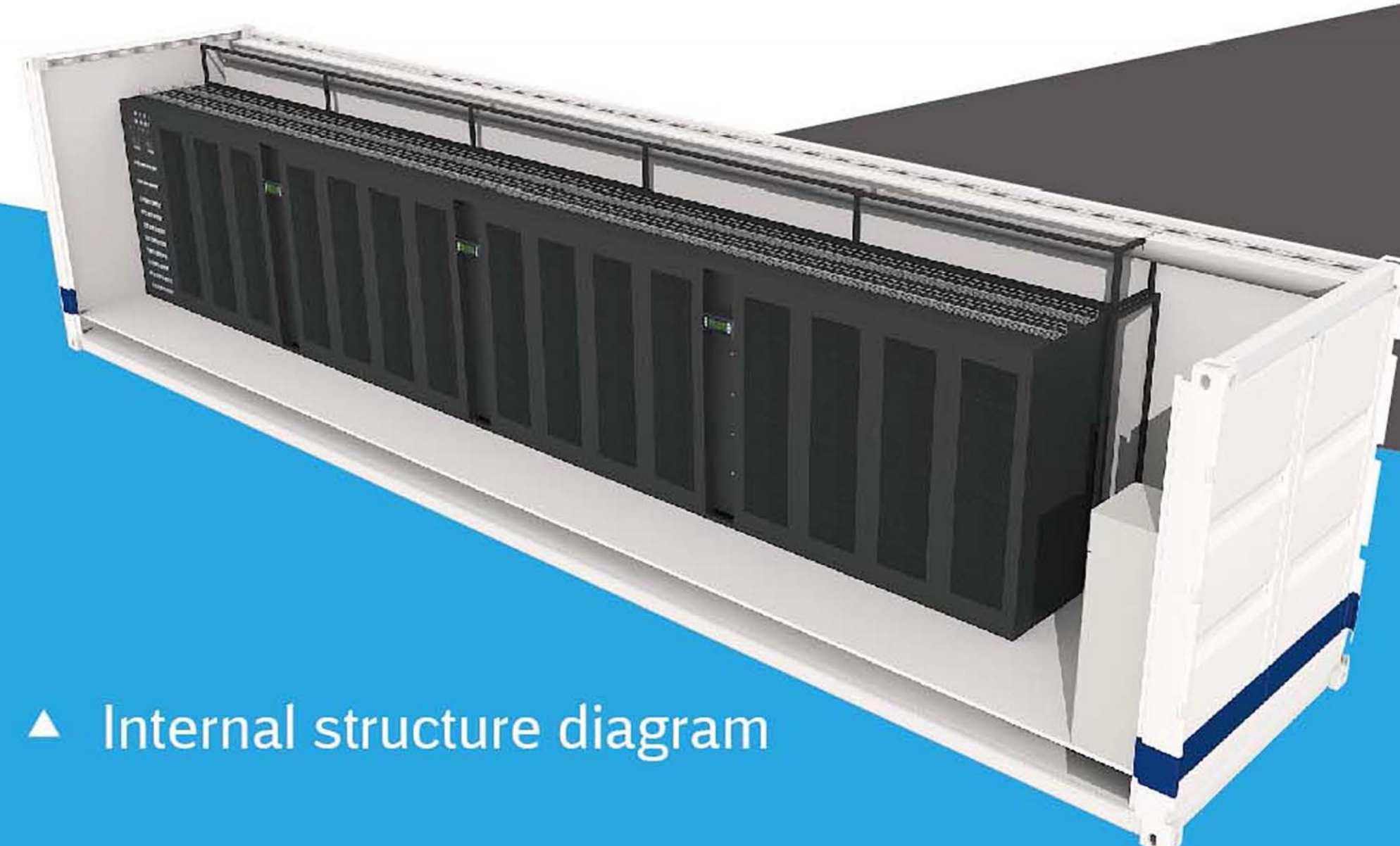


With the intensification of information society, the demand for data processing rapidly expanded. The construction period, construction costs, cooling mode, operation method of traditional data center can't adapt to the change of the demand. Therefore, the new green, smart and low-cost modular data center has become the best choice.

Coolnet I-Container Data Center (ICDC) is a new generation of data center solution developed by Our Company. With its high performance, high availability, high density, massive expansion, easy management and wide compatibility, ICDC greatly shortens customer's data center construction period; significantly improves the efficiency of energy use and reduces construction investment and operating costs, which provides customers with a high performance to price ratio, high security product and solution.



▲ Appearance Picture



▲ Internal structure diagram



# APPLICATION SCENARIOS

Relying on experience in the high-grade data center construction and operations, sales and service network throughout the world, computer room equipment technology and production experience, professional technical team, following cloud computing and big data industry trends and national strategies for environmental protection, Coolnet provides modular data center products with rapid deployment, environmental protection and energy saving, high efficiency and other features. Also Coolnet can be able to provide the overall solution and operational management services based on clients' demands.



## INSTITUTE

IT advantages like Mass data storage, data processing, intelligent knowledge base, intelligent search and so on, will become the most advanced means and tools of scientific research institutes, help enhance the level of scientific research.



## INDUSTRIAL PARK

low carbon, low energy consumption, building green industrial park, to reduce the use cost; Unlimited cloud storage and super computing, to promote campus IT service environment and comprehensive data service ability, improve the satisfaction in enterprises.



## RESIDENTIAL AREA

Reduce the distance content, realize high-definition video and unlimited storage, bring cloud computing period best personal user experience.



## DISASTER PREPAREDNESS CENTER

Adapt to all kinds of natural geographical conditions, low cost operation ability, meet all kinds of location factors, can in the shortest time the construction of high reliable data center, disaster prevention, to reduce the loss.



## IDC

Rapid deployment, shortest possible time to build a safe and reliable high-performance supercomputing center, a sharp rise in key areas technology innovation ability of defense industry production & national defense scientific research, combat simulation, military theory research and so on.



## MINE FIELDS

strong environment adaptability, flexibility, great migration breakthrough space constraints, on-demand of deployment & move on.



## COLLEGES AND UNIVERSITIES

Through the campus network connection universities laboratory, own super computing resources at low cost, produce more academic research results.



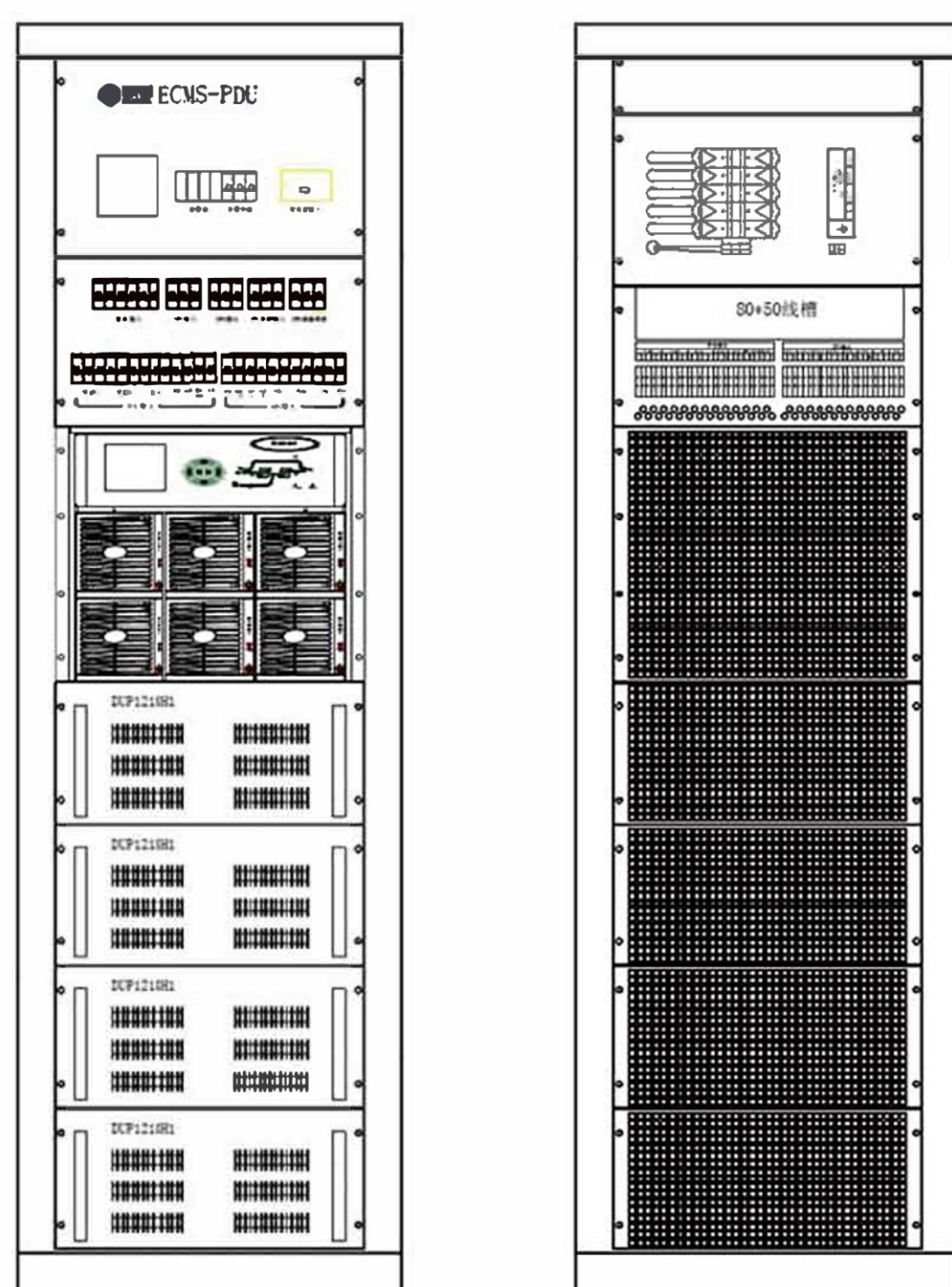
## WISDOM CITY

Beyond the bandwidth limitations, to achieve security cloud storage and cloud computing, effectively improve business IT environment, increasing the attractiveness of enterprises.



# FEATURES

## Complete data center functions

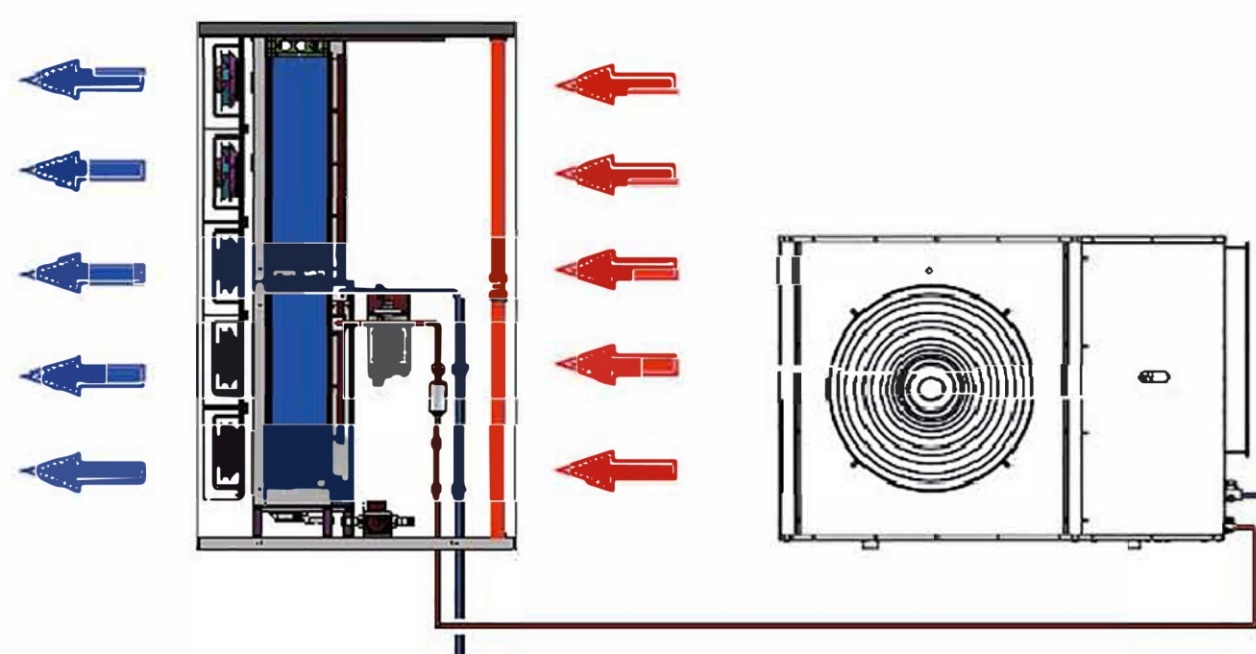


## POWER SUPPLY SYSTEM

- Modular UPS, N + 1 backup
- All power module Share battery pack
- Manual maintenance switch, monitoring module, static switch module and power module can be online hot-swappable
- Communication interface
- Any power module has the balance of input, output, and charging power distribution function
- Meet the shipping requirements

## REFRIGERATION SYSTEM

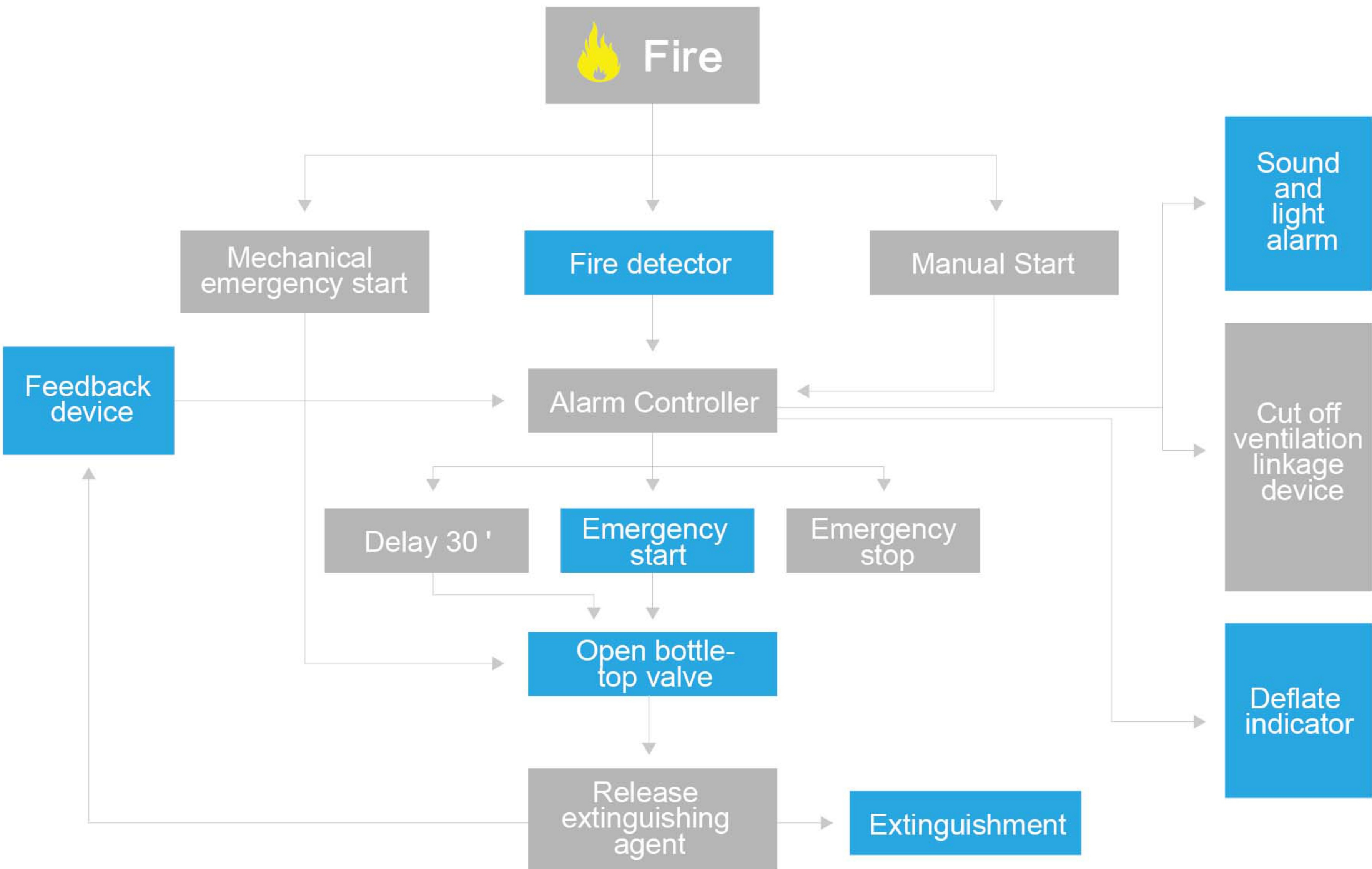
- Using Inrow precision air conditioning, N + 1 backup
- DC inverter compressor
- DC driven EC fan
- Electronic expansion valve technology
- Air filtration system





## Fire protection system

- Flexible configuration, high reliability (emergency start/stop button, gas spraying light, sound and light alarm and hand automatically switch devices can be connected to the controller)
- Functional, flexible control mode (fire alarm controller network communication to achieve remote monitoring)
- Window, menu type display
- Modular switch power supply cabinet no network of HFC-ea extinguishing device without piping system



## DYNAMIC ENVIRONMENT MONITORING SYSTEM

- The environment parameter acquisition sensor information (temperature and humidity, smoke, water, magnetic door, etc.) directly connected to the host
- Collected monitoring parameters for UPS, precision air conditioning, intelligent power meter, video and so on.
- Adopts rack data acquisition host
- Desktop 3D real show modeling, according to the actual position sensor installation location of the monitoring data





# SITE APPLICATION

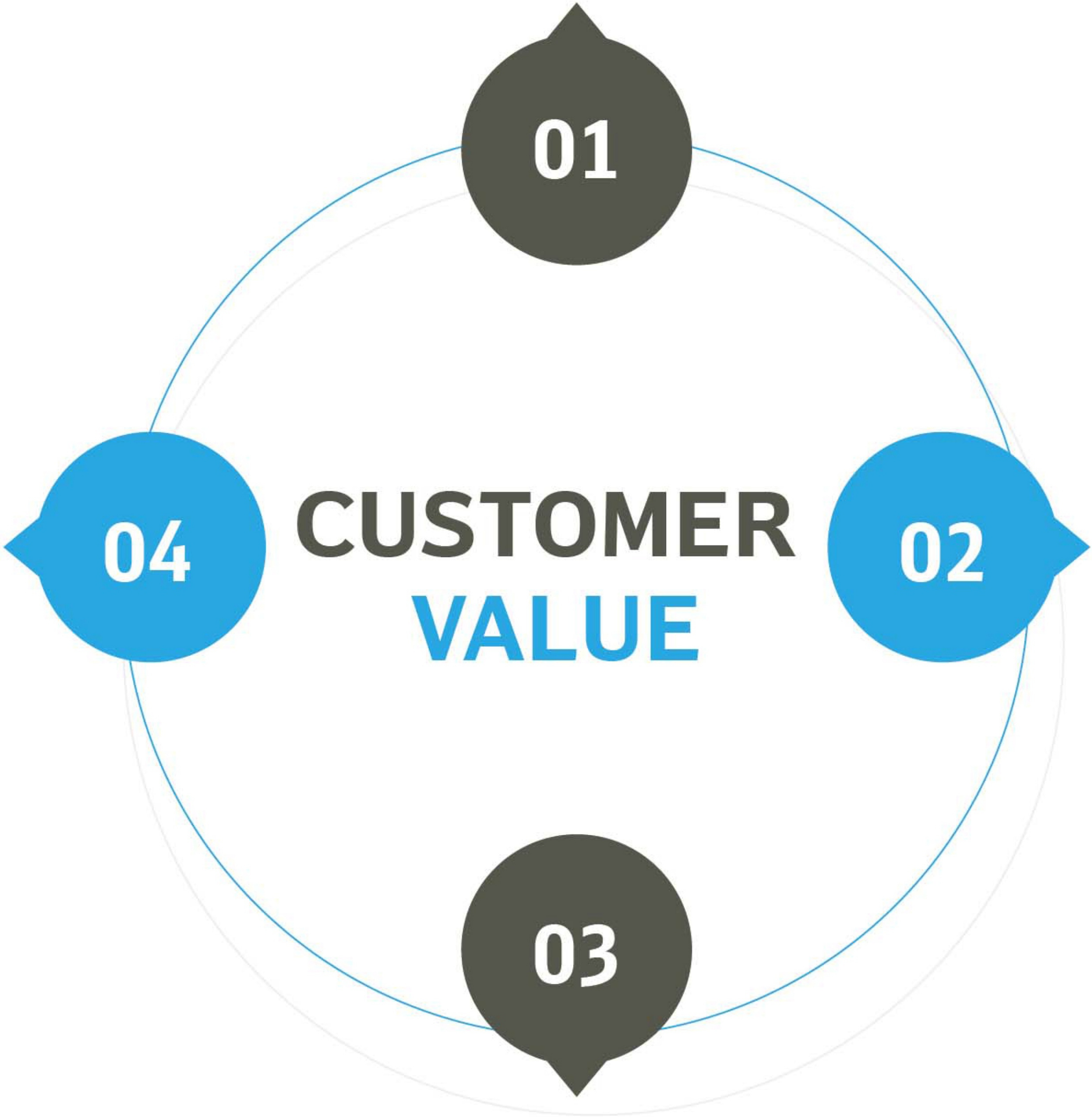


## MODULARIZATION

A large number of modular components in the factory to complete, reduce the workload of the site construction, shorten the construction cycle of data centers;

## LOW ENERGY CONSUMPTION

Strictly design the products on every details, greatly improving the efficiency of energy use, reduce the overall energy consumption of the data center;



## INTELLECTUALIZATION

Intelligent monitoring system, greatly improve the reliability of the equipment, reduce the number of maintenance personnel, reduce the workload, and improve maintenance efficiency;

## LOW TCO

The high initial cost and using cost of traditional data centers cannot meet the massive growth of data processing in information technology society. Standardized ICDC products greatly reduce the cost of data center construction and operation and maintenance;



# PRODUCT PARAMETERS



PRODUCT PARAMETERS	ICDC20	ICDC40
Container Size	20'HQ	40'HQ
Rack Specification	600*1000*2000	600*1000*2000
Single Rack Capacity	42U	42U
Rack Quantity	4pcs	8pcs
Single Rack Max. Capacity	6KW	6KW
IT Equipment Total Capacity	24KW	48KW
UPS	25KVA*2 N+1 Modular UPS	25KVA*3 N+1 Modular UPS
Battery Back-up Time	10Minutes	30Minutes
Cooling Pattern	Inrow Air Condition	Inrow Air Condition
Monitoring system	YES	YES
Door Security System	YES	YES
Fire alarm and gas fire extinguishing system	YES	YES
Video Monitoring System	YES	YES
EPO	YES	YES
Transportability	Support	Support
Stackable	Support	Support
Application	Outdoor Type	Outdoor Type
Diesel Generator Module	Extraposition	Extraposition





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