



Data Center solutions

01

iSmart series single cabinet data center



Size: 600*1200*2000 (Popular, IT cabinet)

Size: 800*1200*2000 (Network cabinet)

Load 3~5kW

Extend to 7kW



Small control room



School

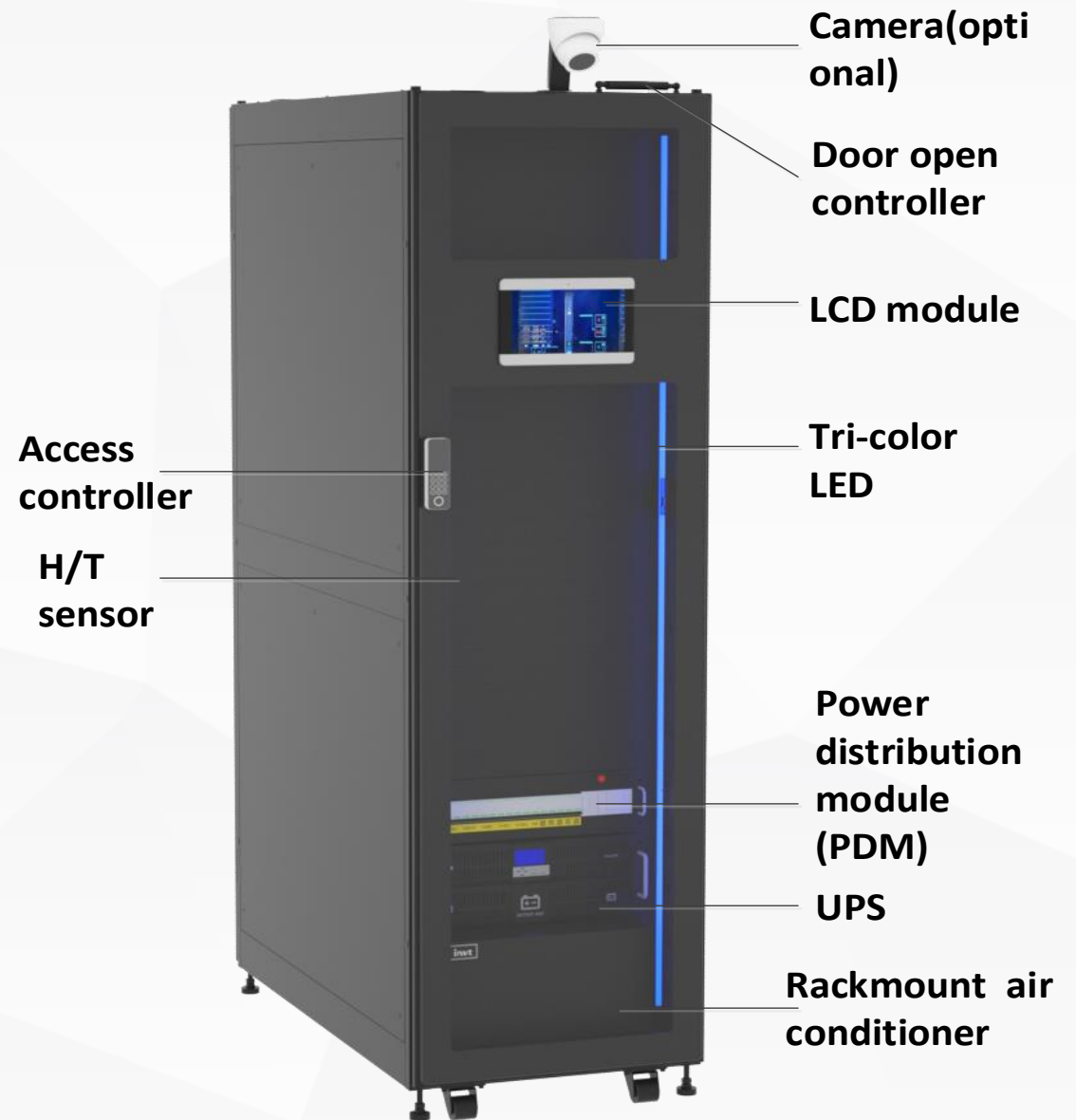
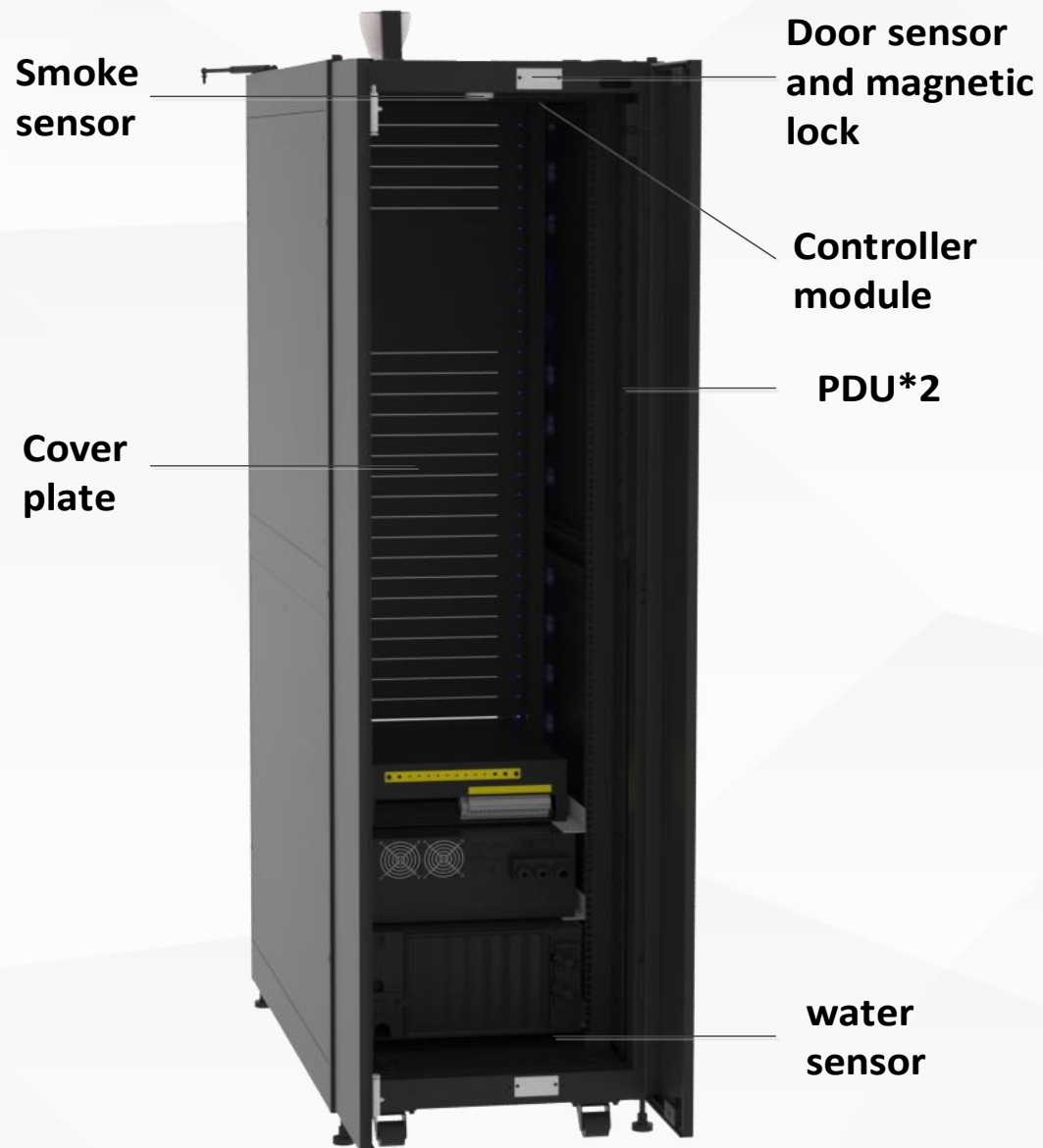


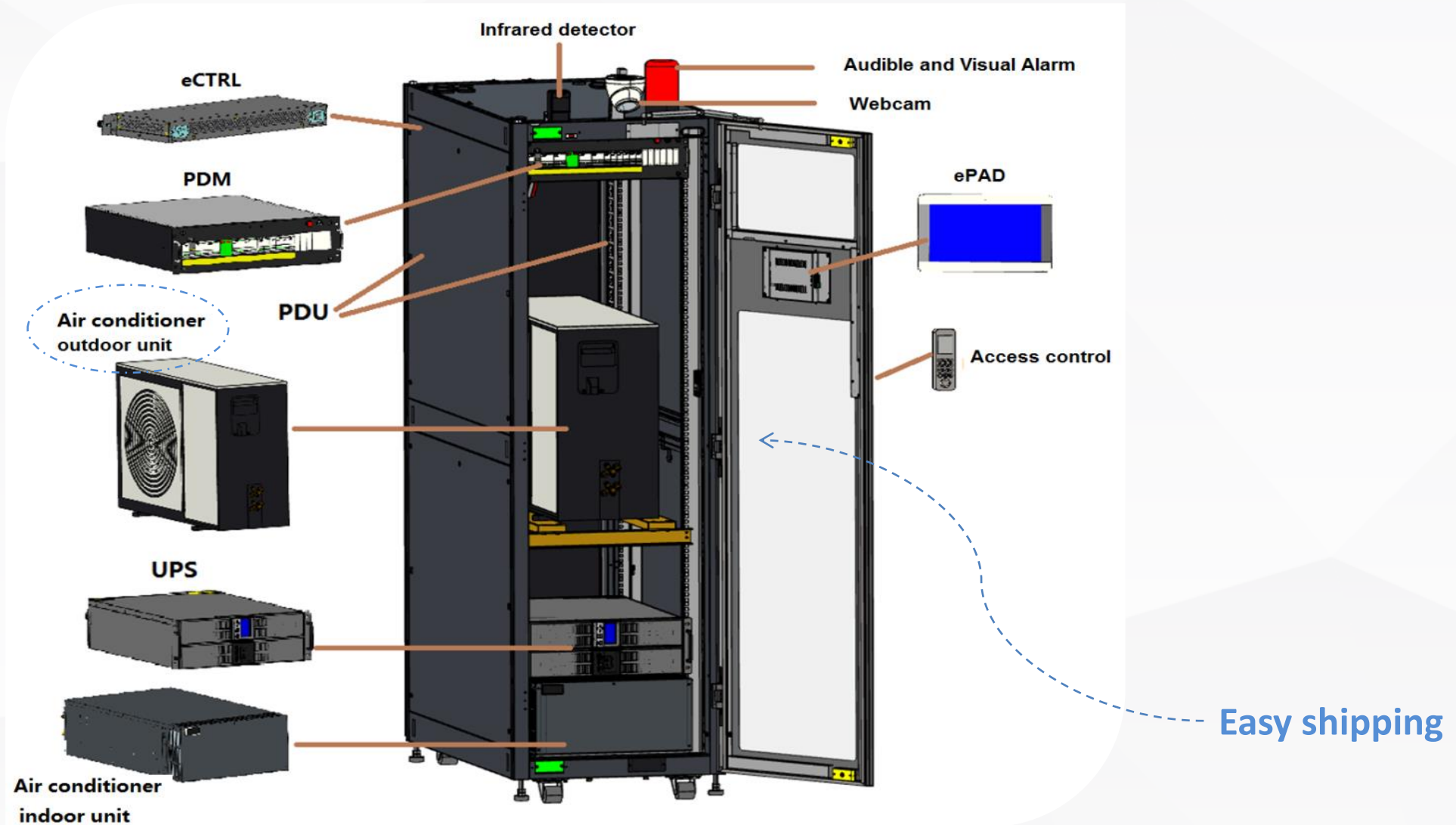
Bank



Radio station

iSmart series





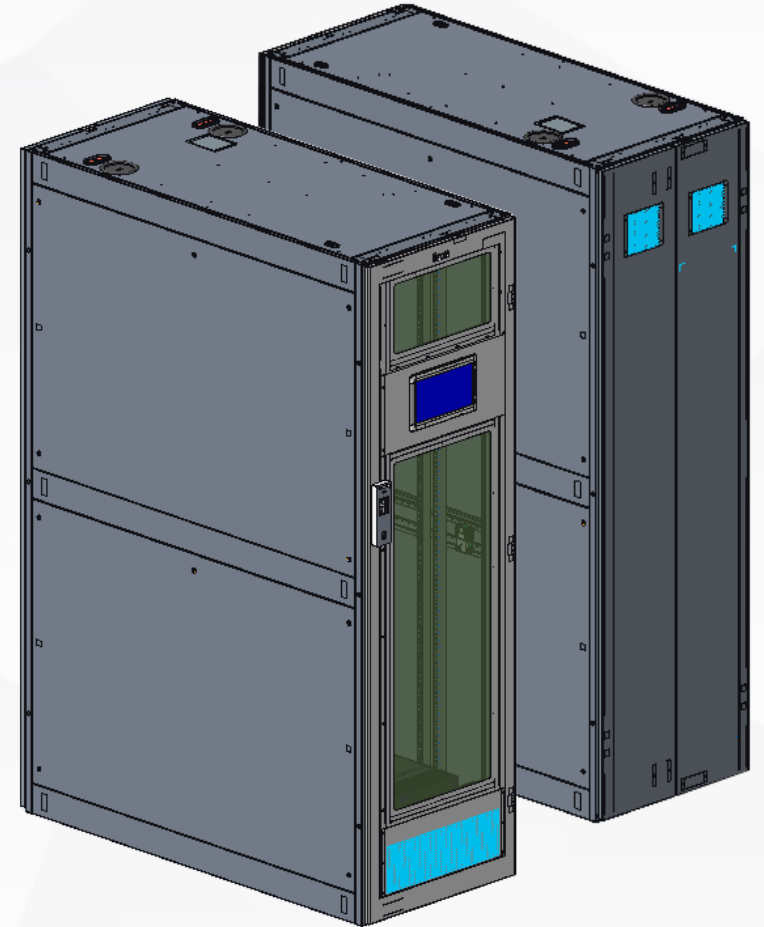


Top & bottom cable entry (Split cooling)

Top cable entry (Integrated cooling)

Emergency door opening (standard)

Emergency fan (customized)



iSmart series

Long time backup UPS



HR1103XL



HR1106XL / HR1110XL



iSmart series

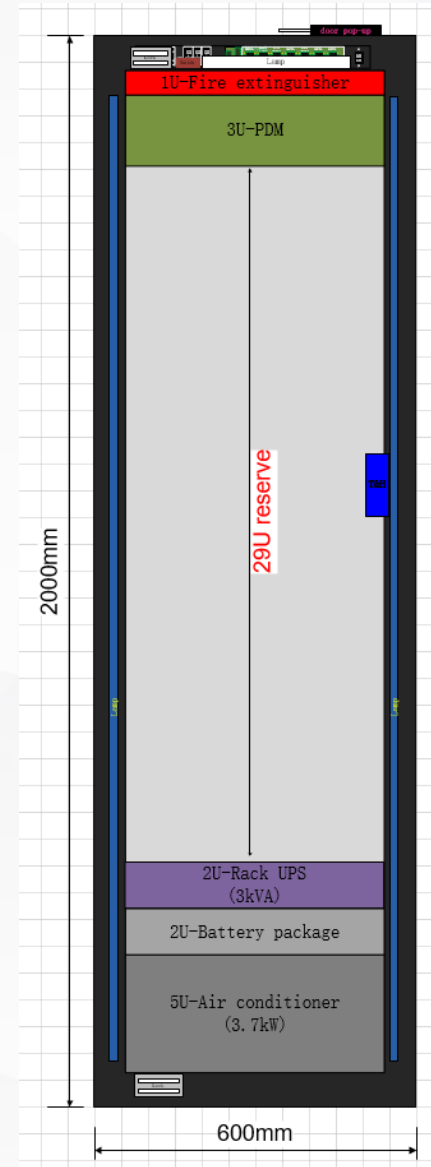
Standard backup UPS



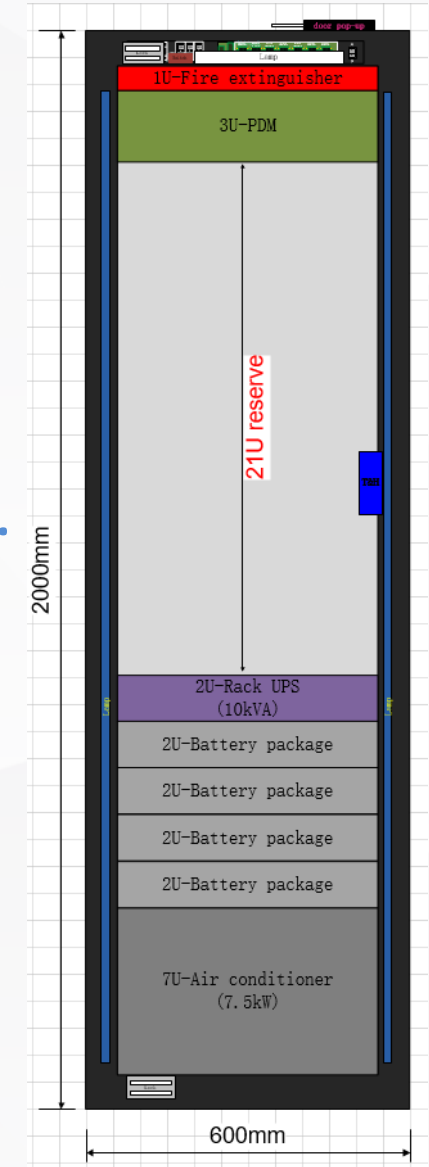
HR1103XS
inside battery



HR1106XS / HR1110XS
inside battery



e.g.



iSmart series

Air conditioner



5U



Split type 3.7kW
with outdoor unit

7U



Split type 7.5kW
with outdoor unit

8U / 9U



Integrated type 3.7kW
Fixed frequency/
variable frequency

iSmart series

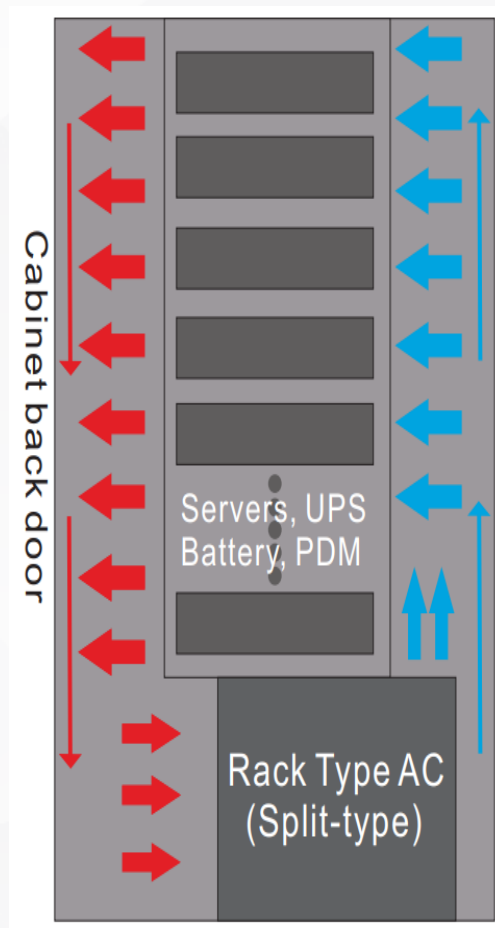
Application

1, Split type

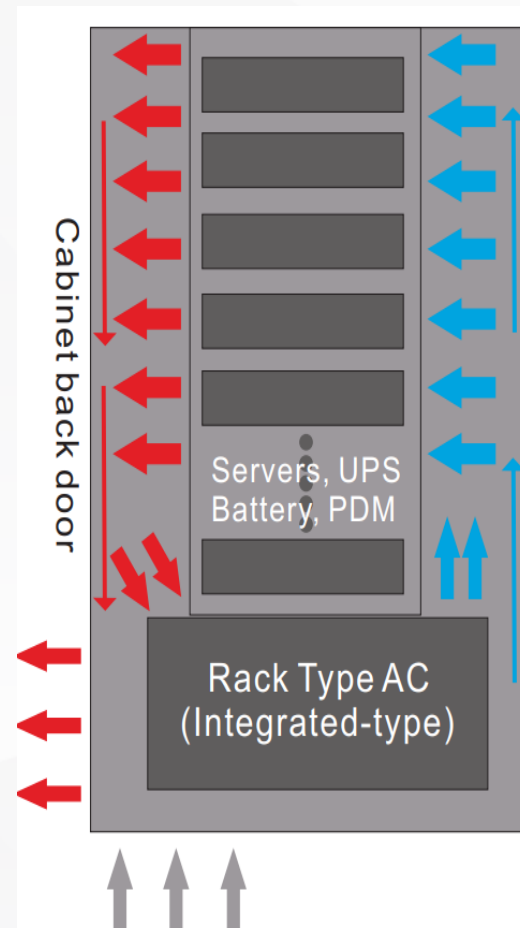


Outside

room



Ventilation system



2, Integrated type

room

iSmart series

Integrated type



At the bottom
Solution A



At the top
Solution B

iSmart series



Power distribution modular (PDM)

PDM



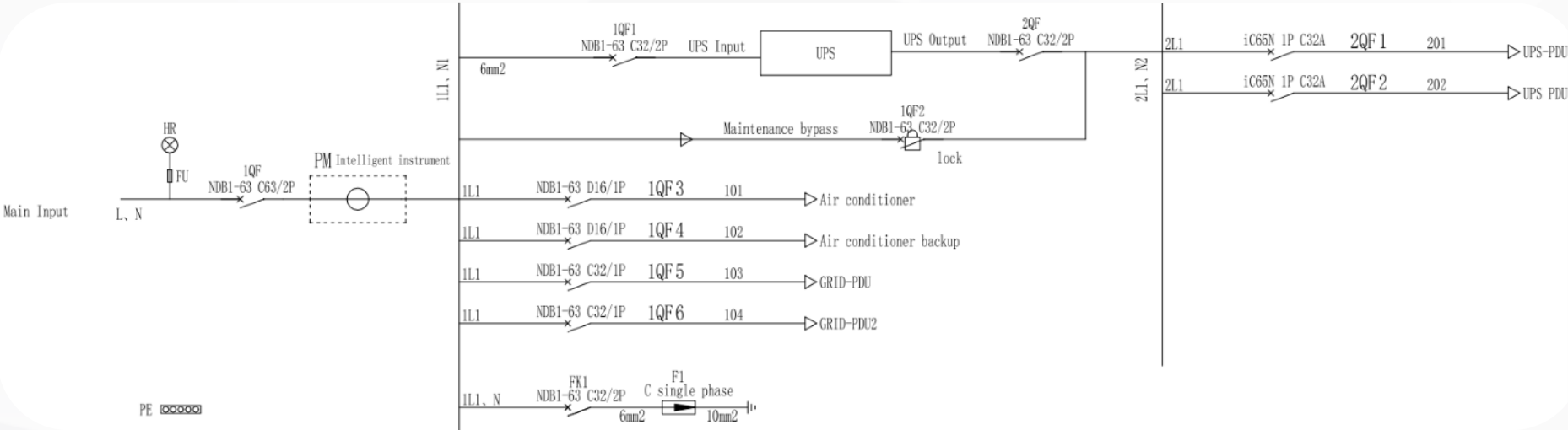
OnLine Equip: 1#

Integrated Alarm : Normal

Monitoring
(simple)

Σ Positive Active Energy(kW-h)	49	Phase Voltage(V)	234.2
Current(A)	1.4	Frequency(Hz)	50.02
Power Factor	0.53	Active Power(kW)	0.1
Apparent Power(kVA)	0.3		

Diagram



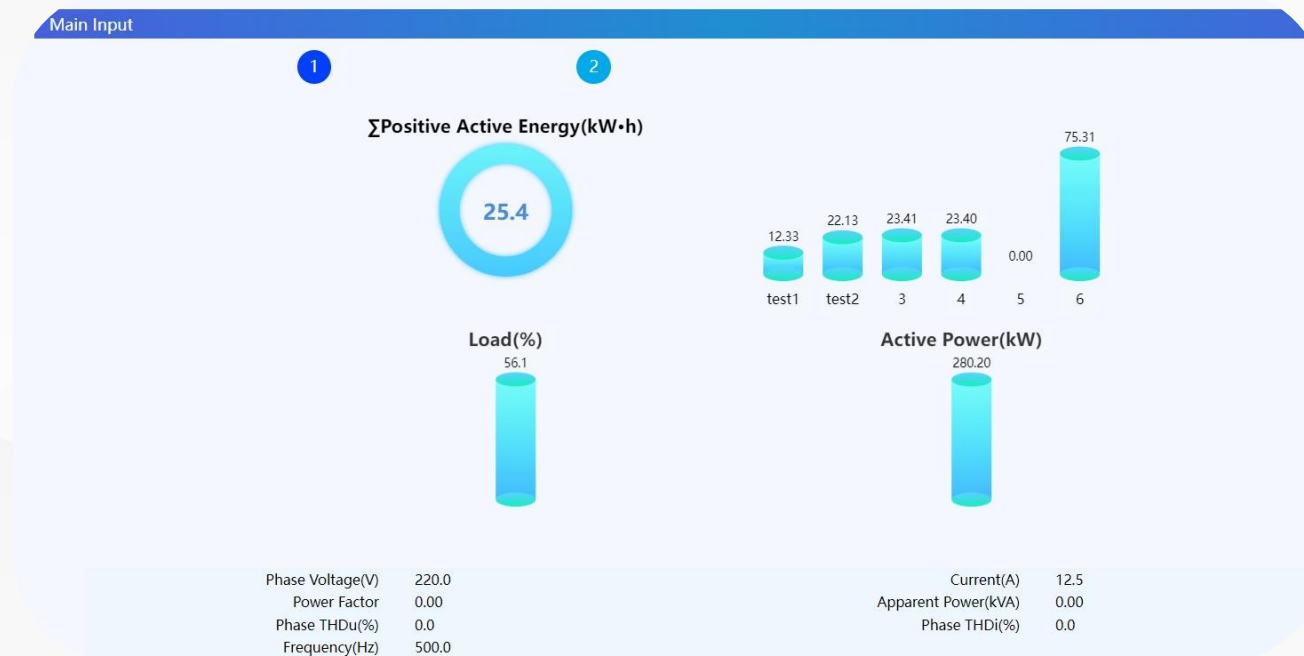
iSmart series

Power distribution modular (PDM)



Suitable with the loads
5kW or 7kW

Customized with
power meter



iSmart series



Power distribution unit (PDU)



**IEC standard
250V**



**UK standard
250V**



**German standard
250V**



**NEMA standard
125V**

Intelligent PDU optional

iSmart series



Monitoring components



Access control
(4 in 1)



Temp & Hum sensor



Water leakage
sensor



Smoke sensor



Infrared sensor
(Optional)



Audible and visual alarm
(Optional)



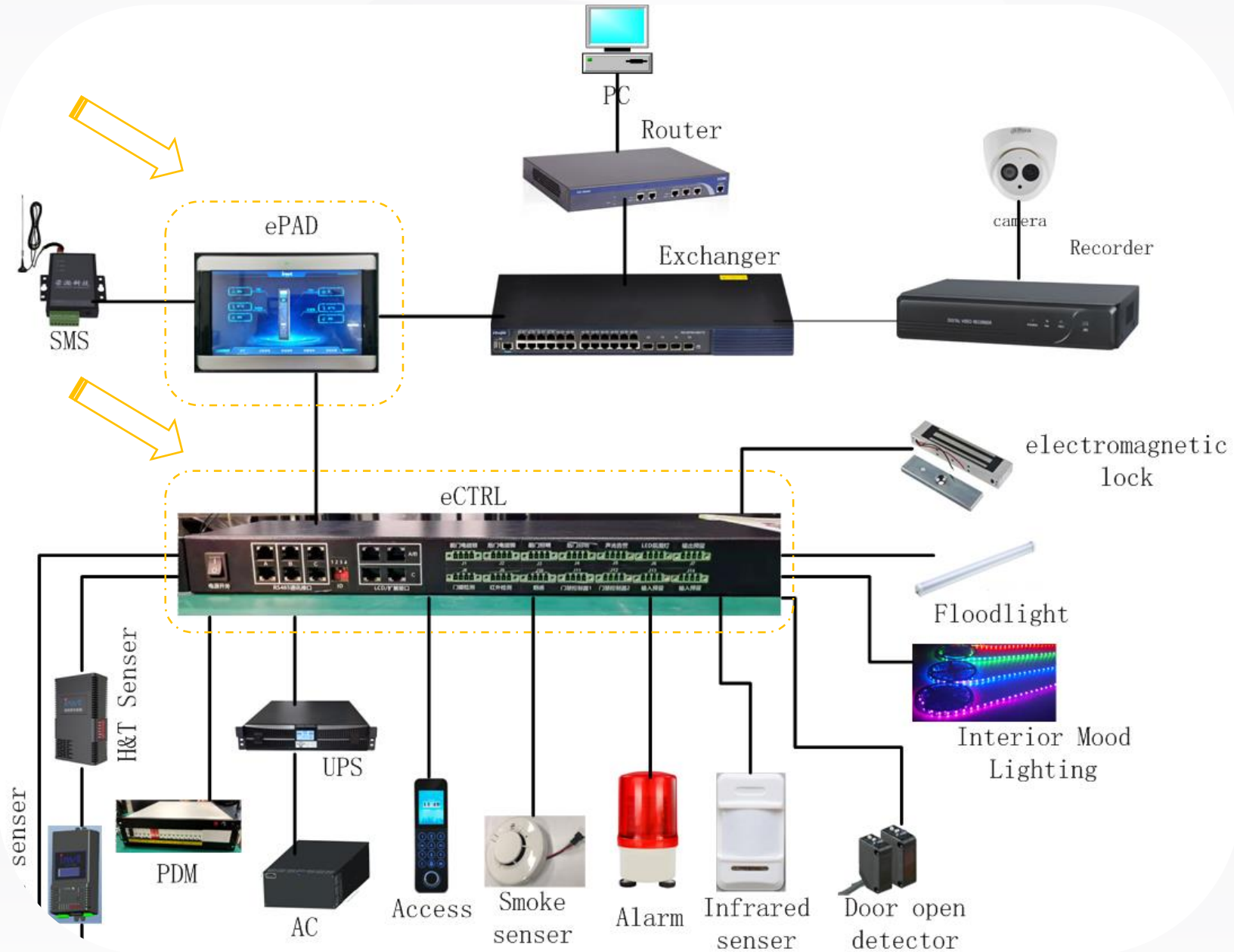
Webcam
(Optional)



SMS alarm
(Optional)

iSmart series

Monitoring system



iSmart series

Monitoring system



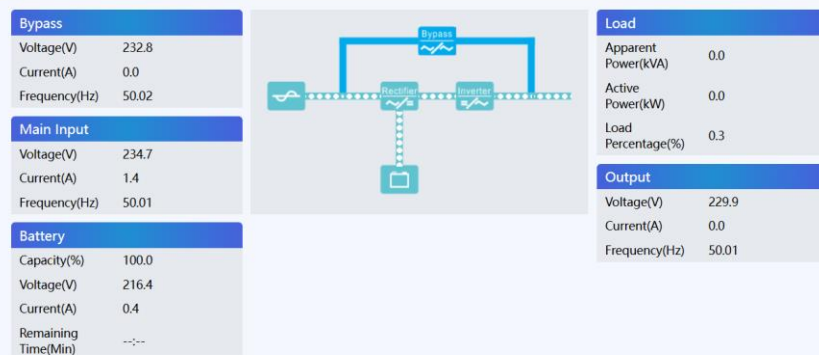
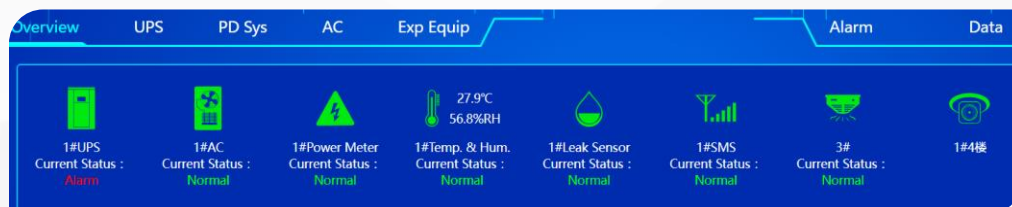
LCD Screen



Web monitoring

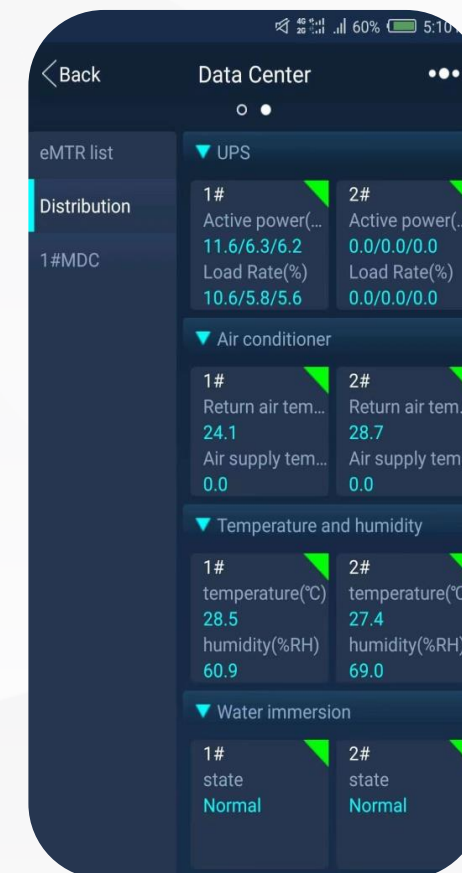
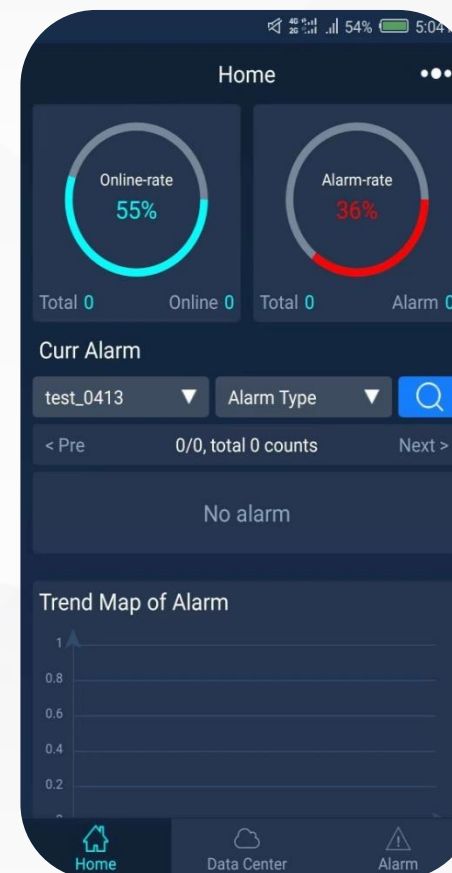
iSmart series

Monitoring system



Current Status			
REC Fail	Normal	Bypass Fail	Normal
Utility Abnormal	Normal	Bypass Voltage	Normal
Fan Fail	Normal	Bypass Frequency Fault	Normal
Temperature Error	Normal	Bypass Over Load	Normal
		Bypass Sequence	Normal
		Maintain Cb Status	Opened
Battery Volt Low	No	Battery EOD	No
Battery Connect Status	Normal	Battery Test Result	No Test
Battery Maintenance Result	No Maintain	Battery Status	Float Charging
Load On Source	Load On UPS	Output Shorted	No
EPO	No EPO	Inverter Fault	Normal
Inverter Overload	Normal		

Web monitoring equipments



APP monitoring

02

iWit series
single row data center

2-15 cabinets

loads up to 75kW

Size: 600*1400*2000mm
*Size: 800*1400*2000mm

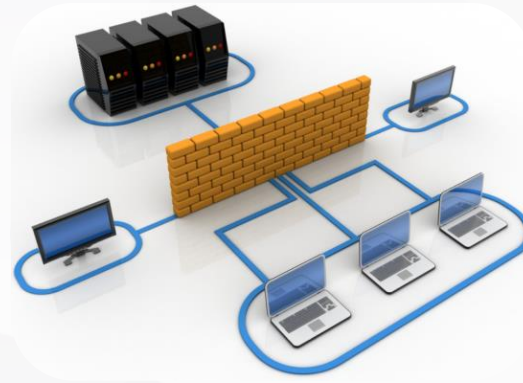




Hospital



Small &medium enterprise

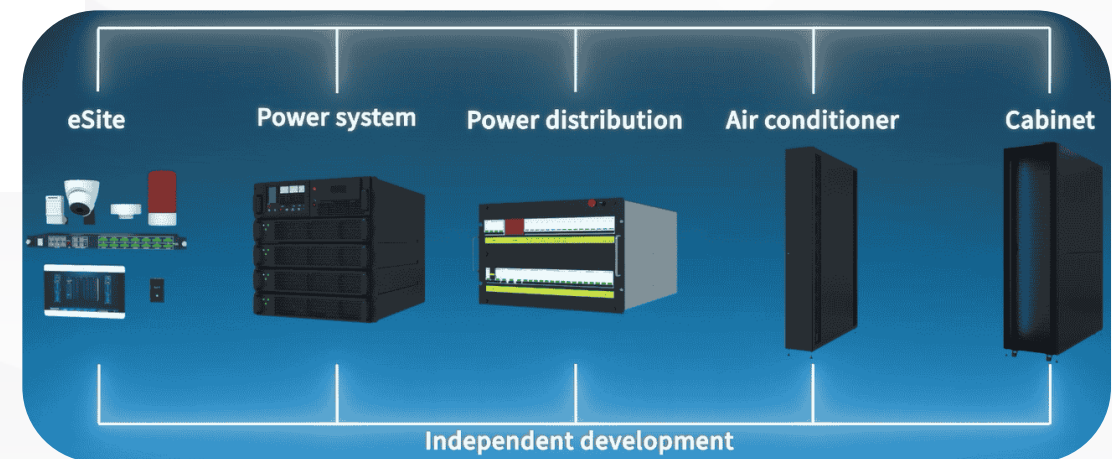
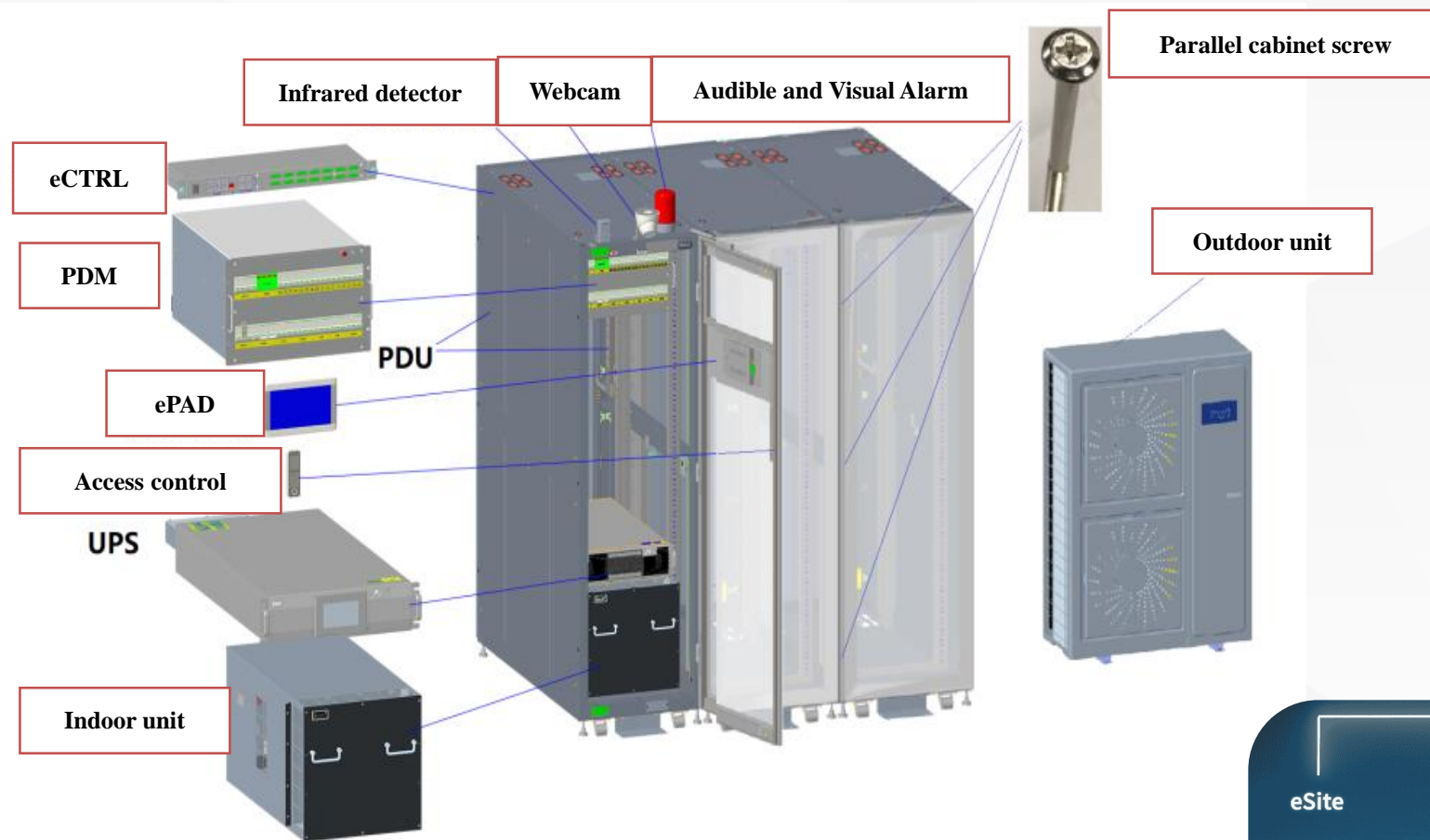


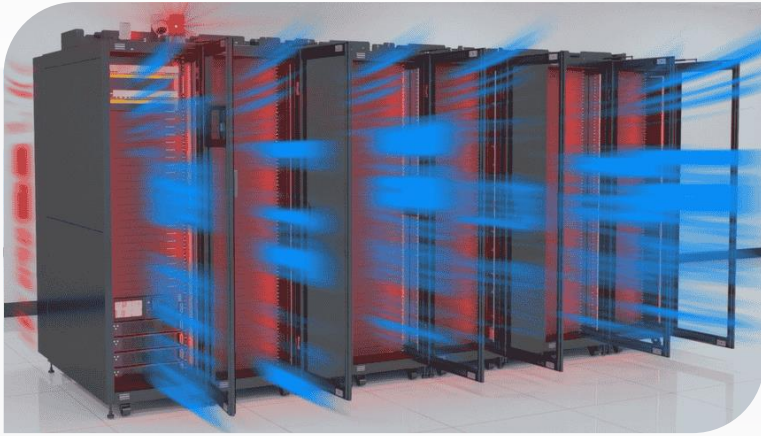
Medium and large
control room



Communication Industry

iWit series

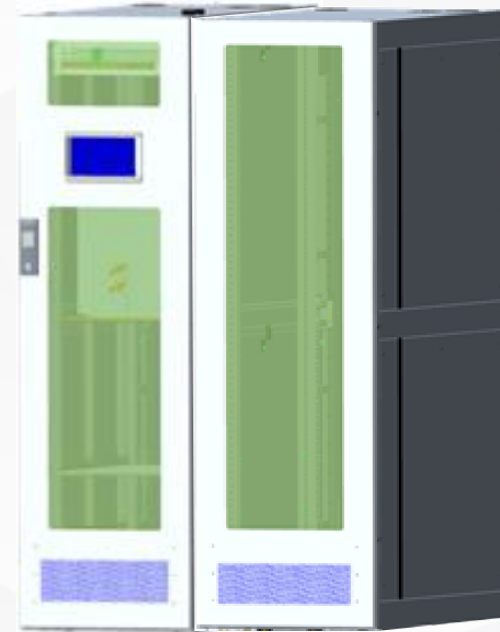




Emergency door opening (standard)

Split cooling solutions (standard)

Top & bottom cable entry

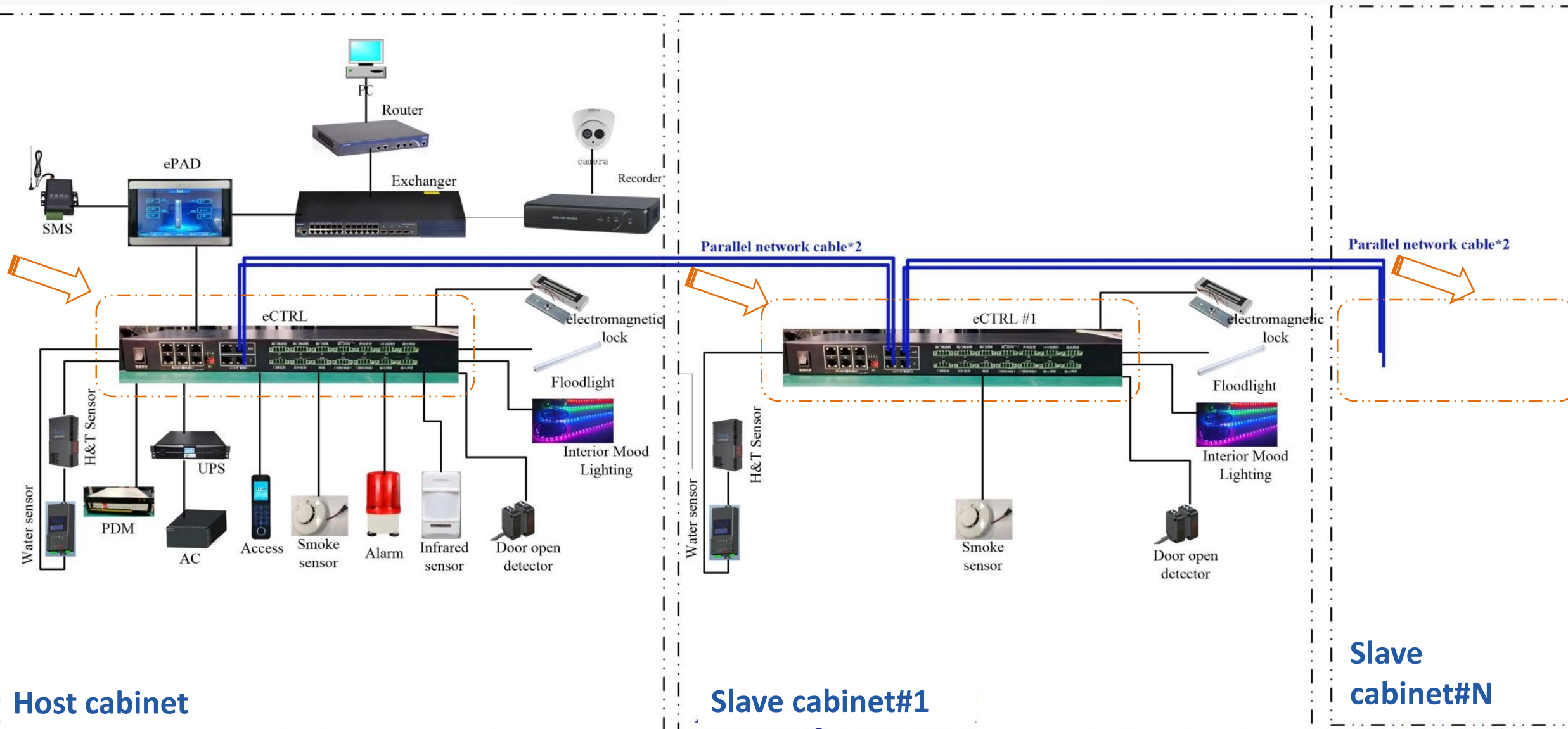


Emergency fan (customized)

Integrated cooling solutions (customized)

iWit series

Monitoring system



iWit series

UPS



HR31 15~20kVA



HR33 10-40kVA



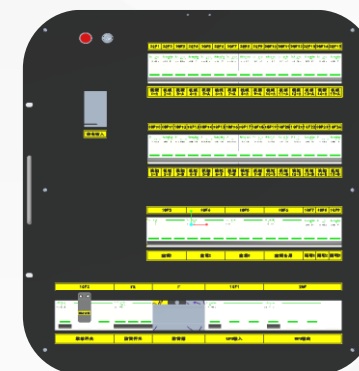
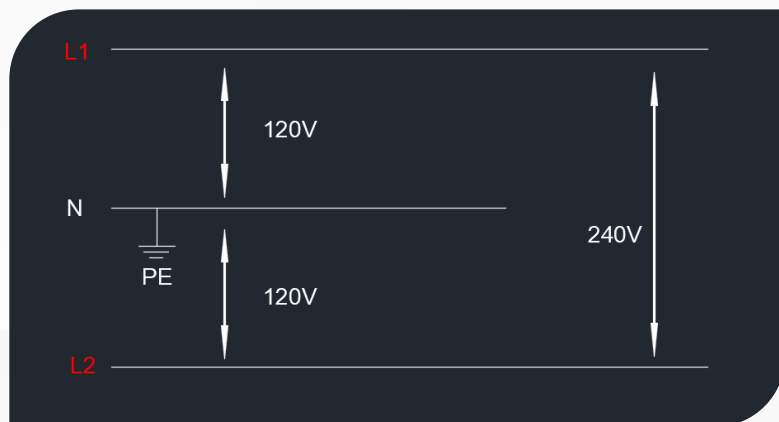
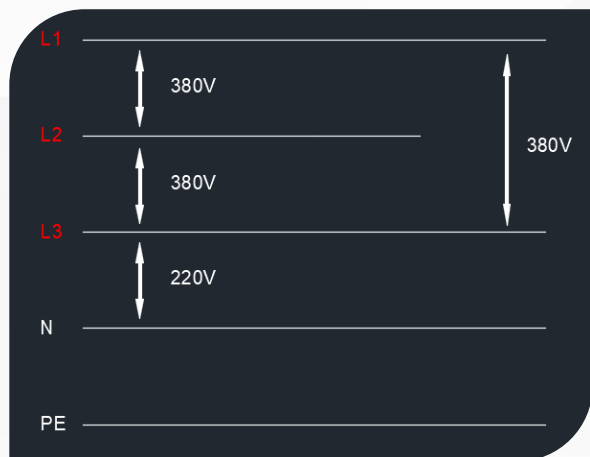
Modular UPS 10-90kVA



Battery solutions

iWit series

Power distribution



13U PDM



10U PDM



3U PDM

Breaker: China brand or Schneider

iWit series

Air conditioner



7U



Split type
7.5kW

10U



Split type
12.5kW

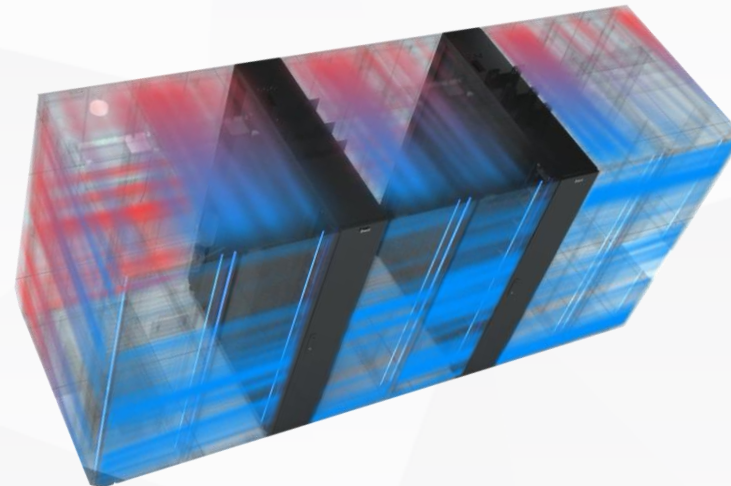
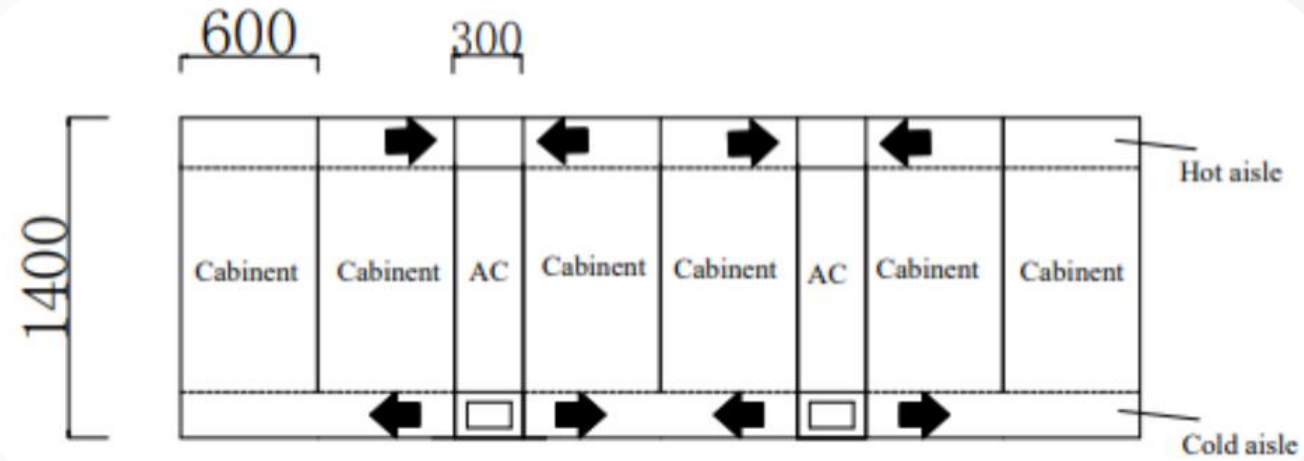


In-row
12.5~25kW

iWit series



Enclosed cold and hot aisle



iWit series

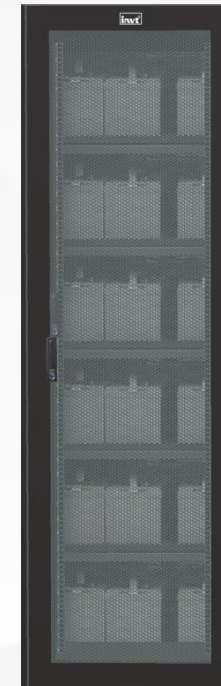
Solutions e.g.



Double
Cabinets



Multiple
cabinets



Rack battery
Cabinets

03

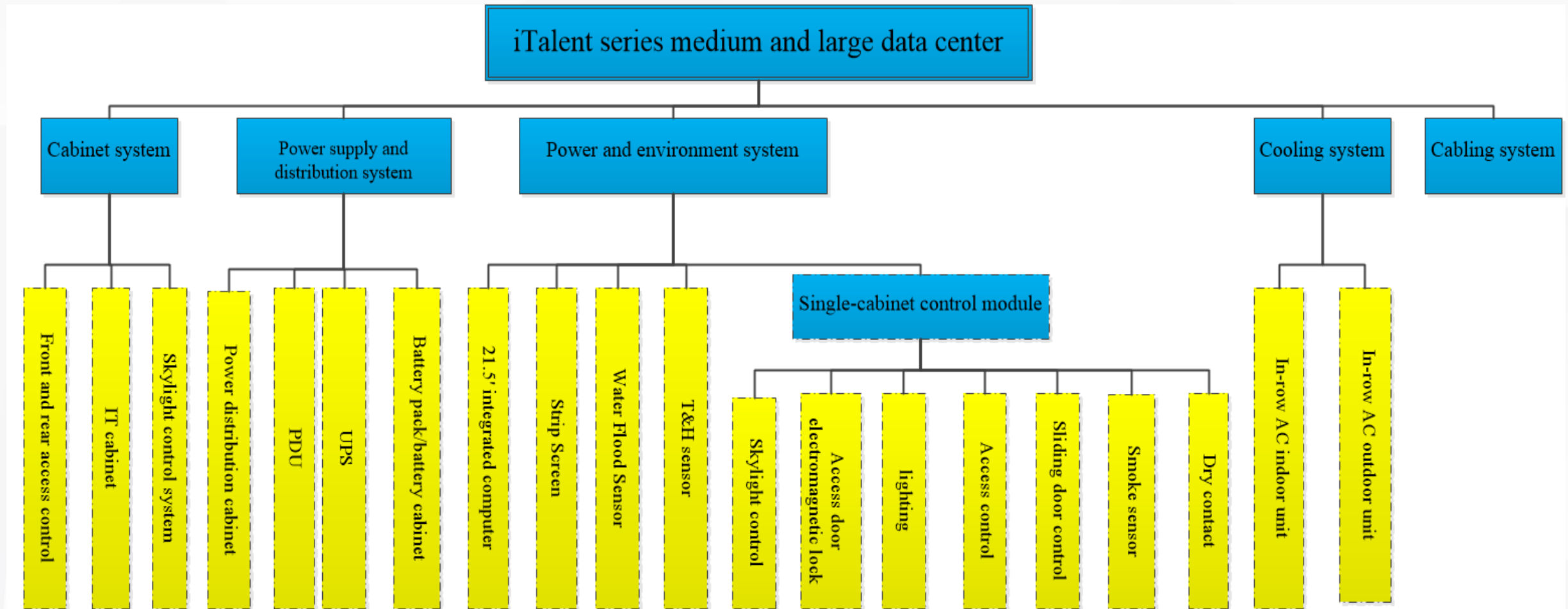
iTalent series
dual row data center



7~9kW /Cabinet

Max: 50 cabinets
length of aisle is 15m

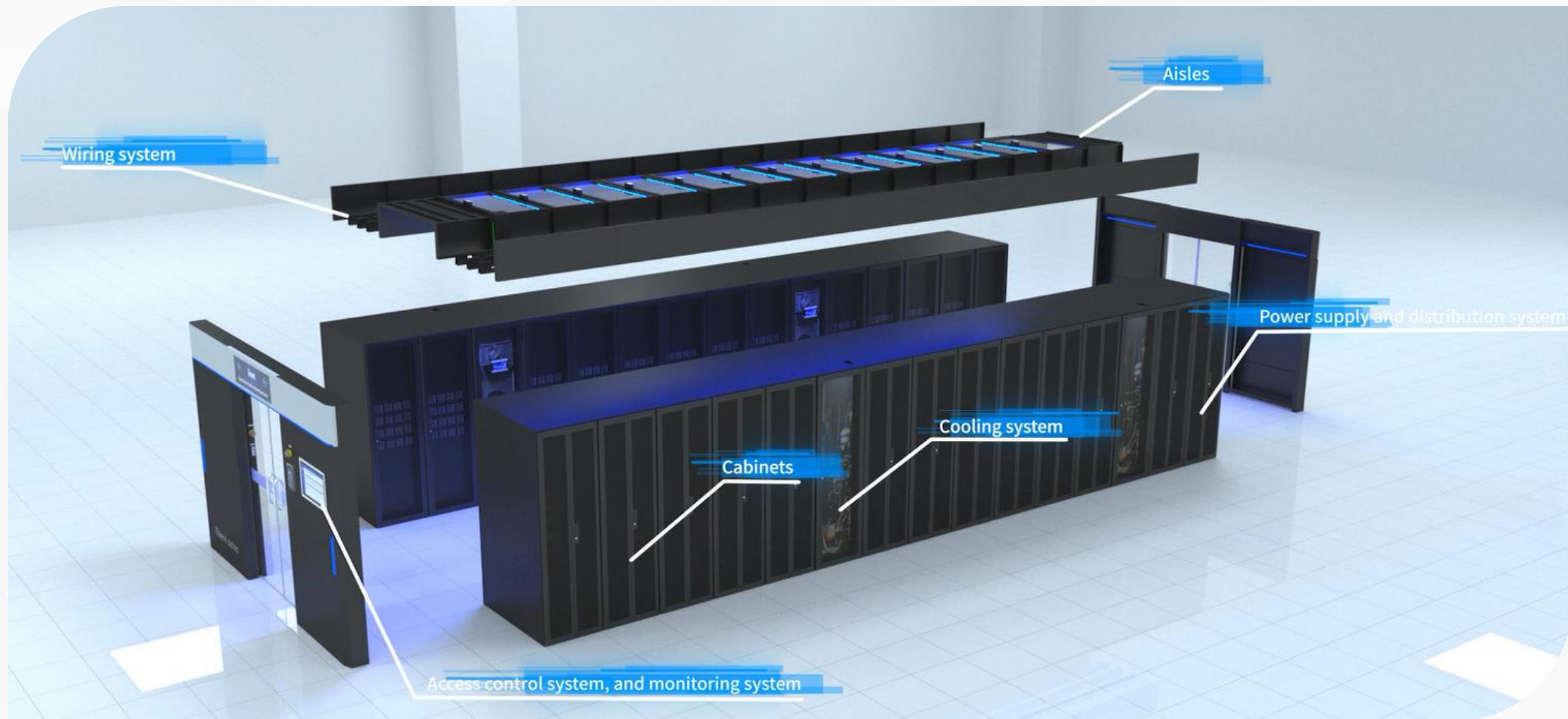
Cabinet: 600*1200*2000mm
600*1100*2000mm



iTalent series



Layout



iTalent series

Display



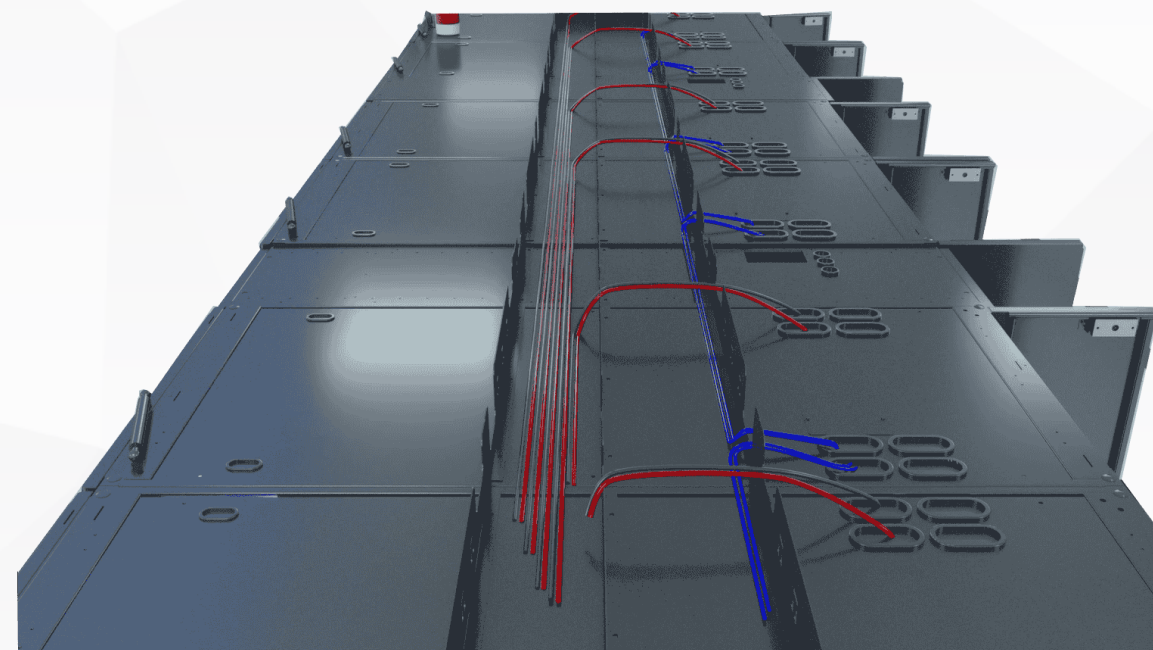
optional



standard



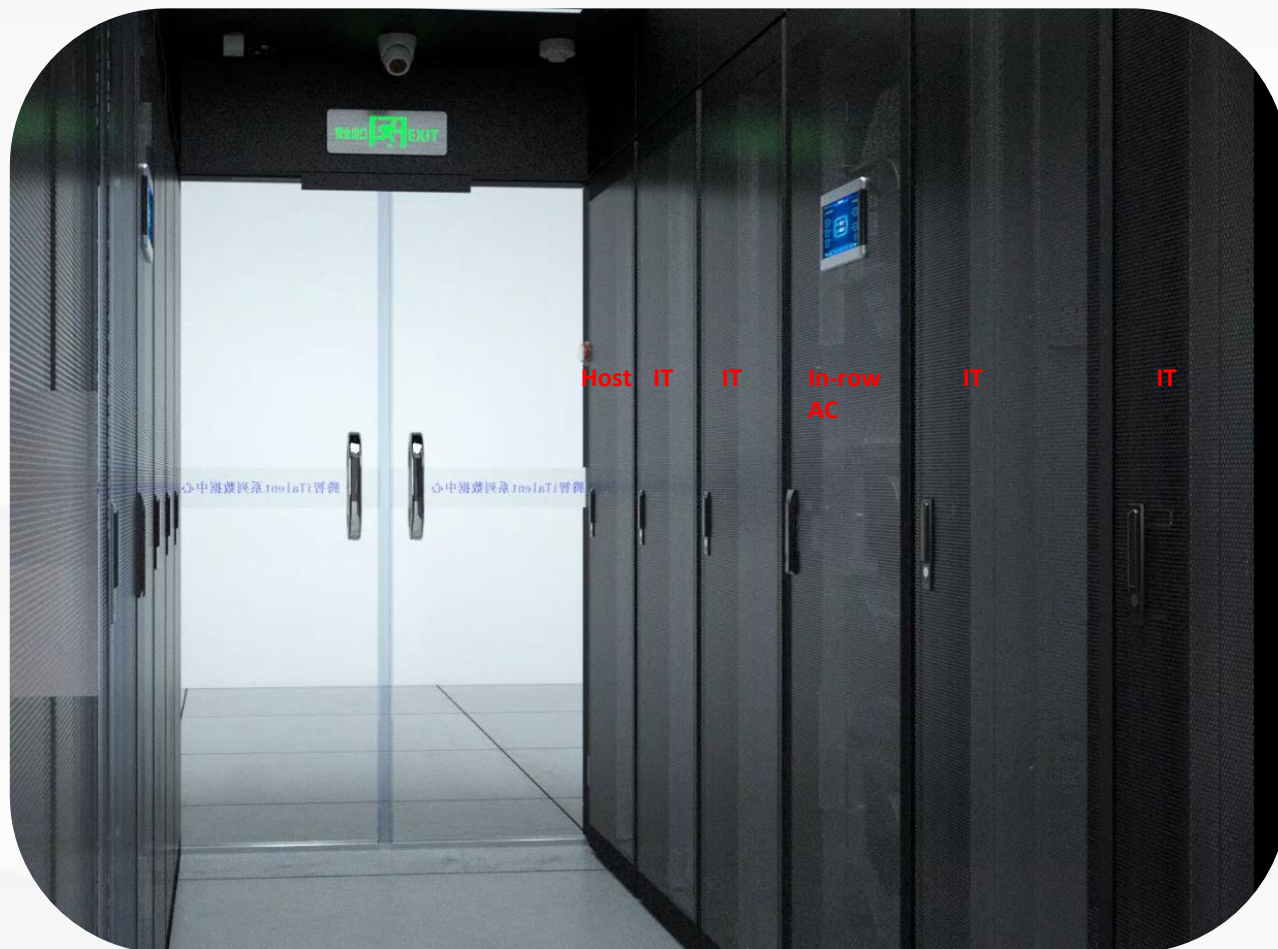
Cable organizer



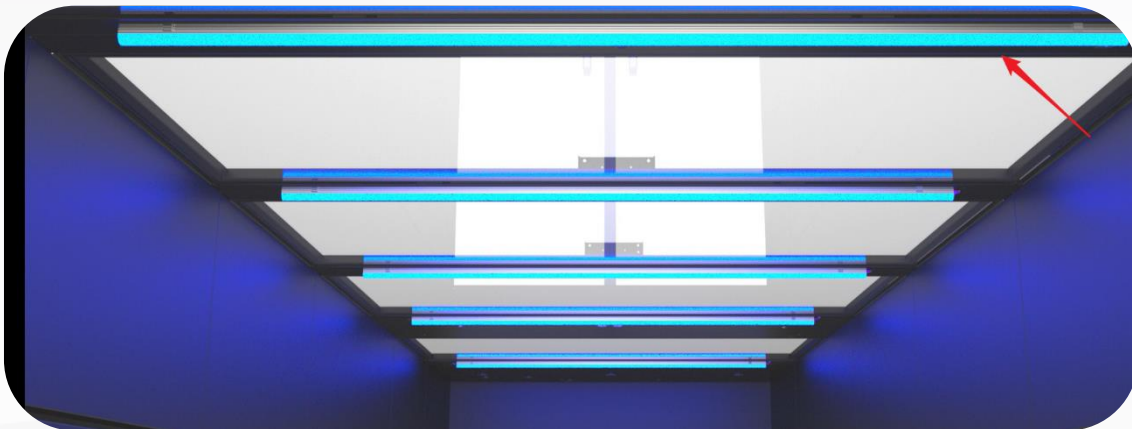
Wiring manager



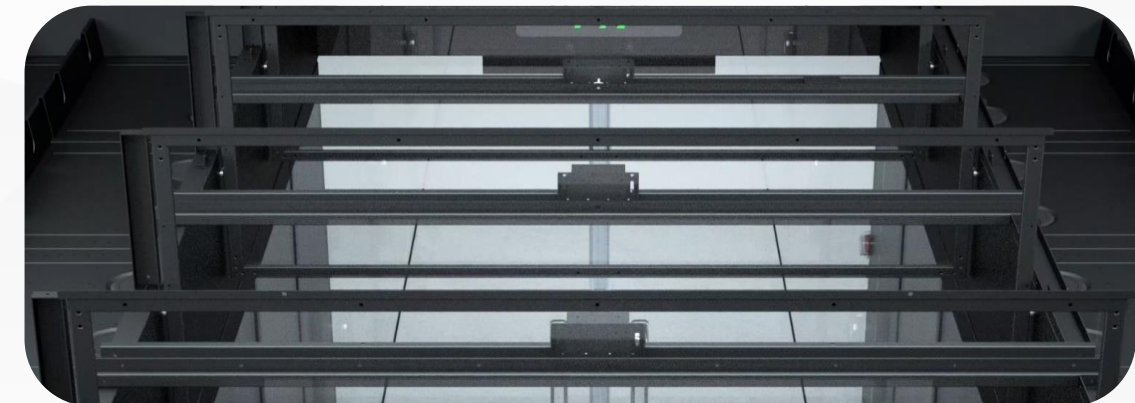
Door strip screen



Display & monitoring



Skylights & ambient LED



Emergency skylights opening

iTalent series

UPS



30-90kVA
Can be installed
inside cabinet



150-200kVA
Can be installed
inside cabinet



Exceed 200kVA
External UPS

iTalent series

Air conditioner



25kW-60kW
Installed **inside iTalent**

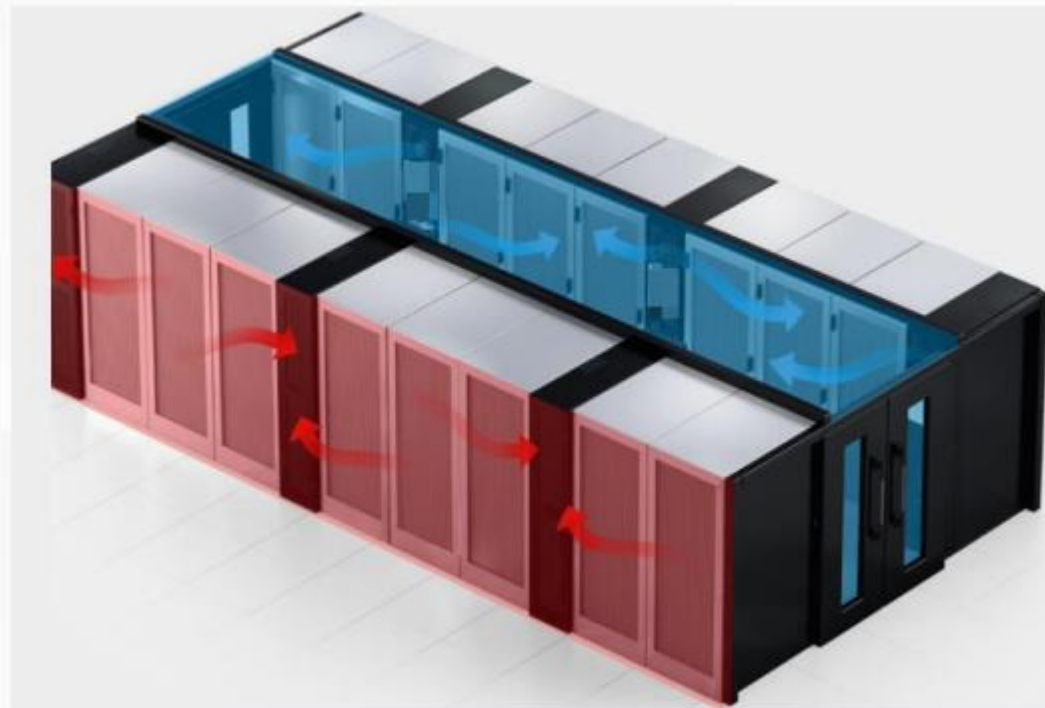


25kW-120kW
Installed **outside iTalent**

iTalent series



In-row air conditioner application

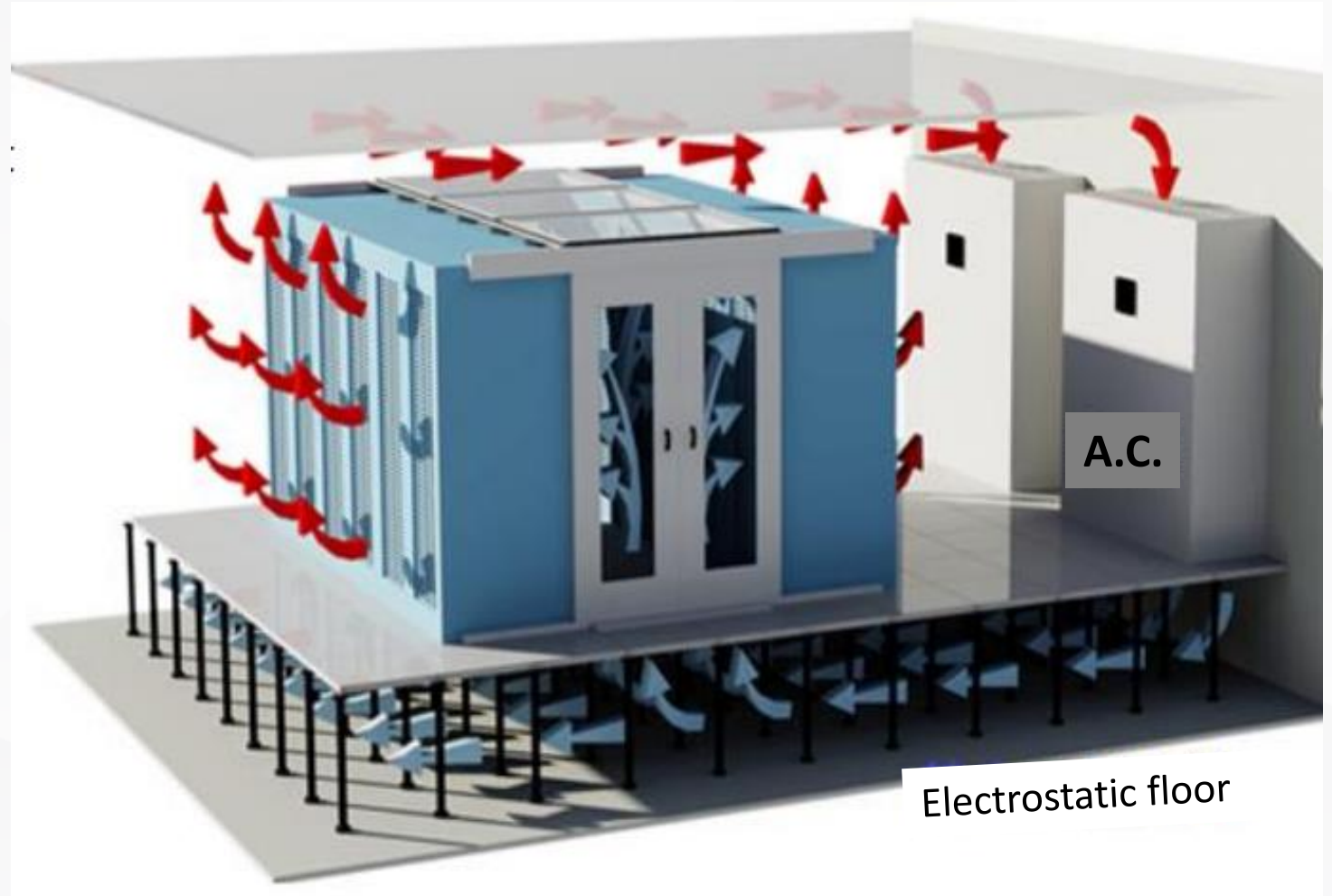


iTalent series

Room air conditioner application



Traditional data center



iTalent series



Power distribution system

The integrated power distribution cabinet (IPDC)



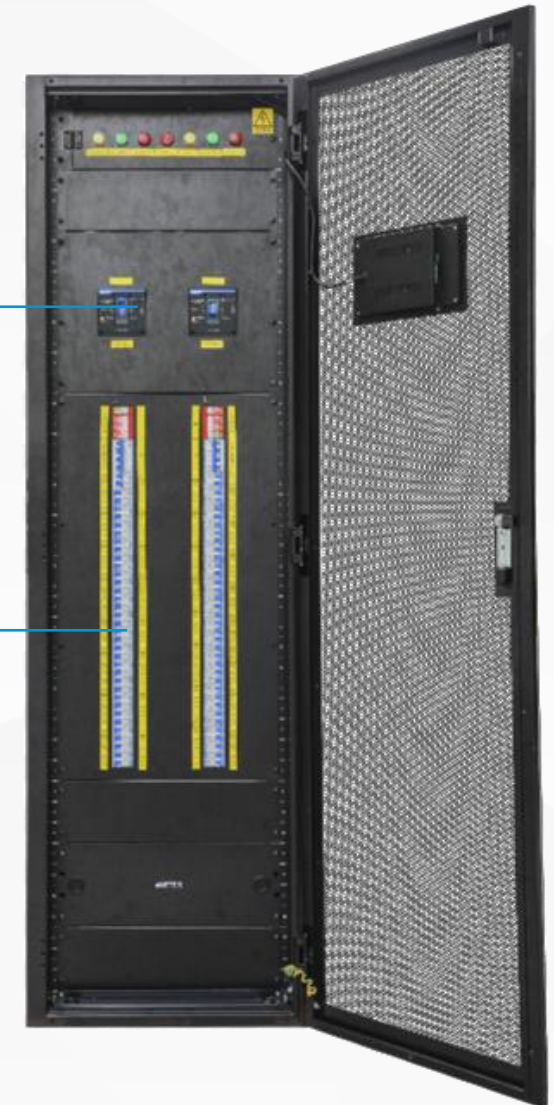
Input breaker & Lightning protection switch

ATS (optional)

UPS input/ output/ bypass

UPS 40-150kVA

Power distribution cabinet (PDC)



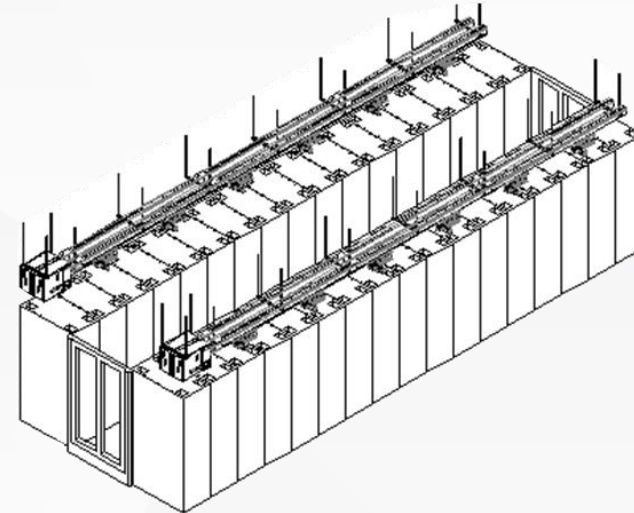
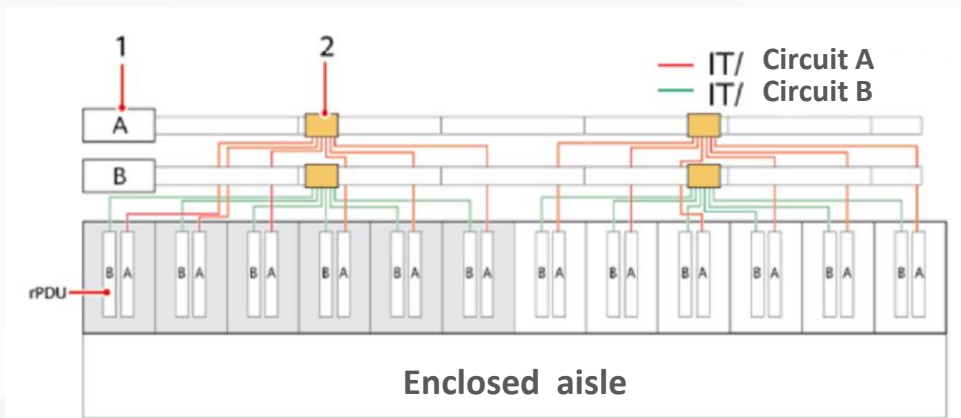
MCCB or
ATS (optional)

Support 144-ways
MCB

Standard power meter
& monitoring

iTalent series

Busway (optional)



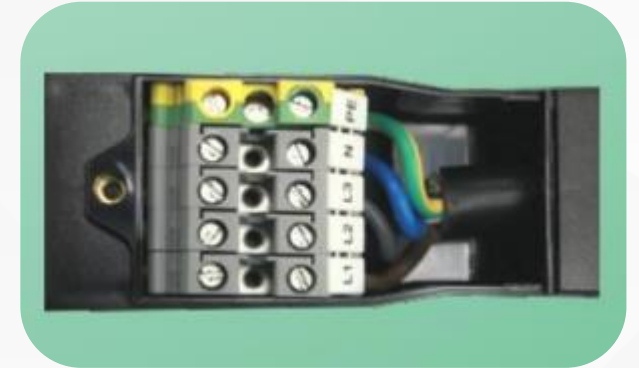
According to the project

iTalent series

Wiring Method of PDU



Industrial waterproof plug



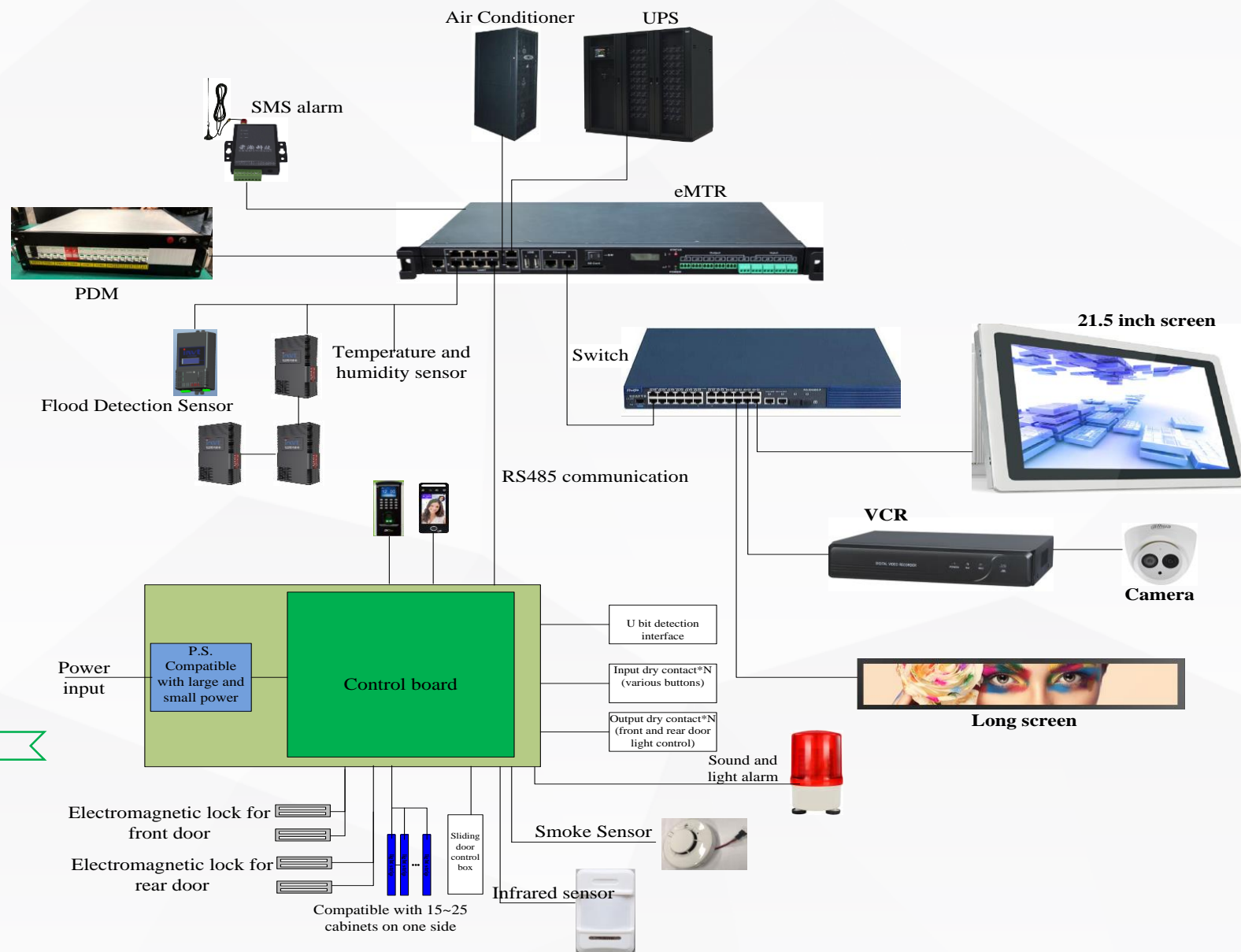
Junction box



Input cord plug type

iTalent series

Monitoring system

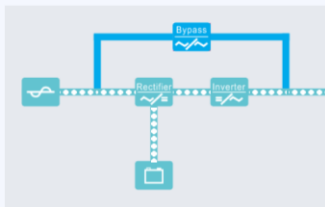


iTalent series

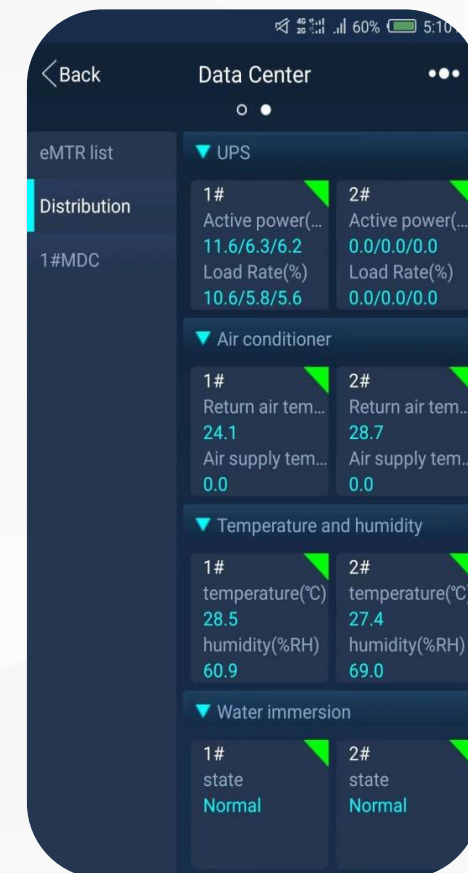
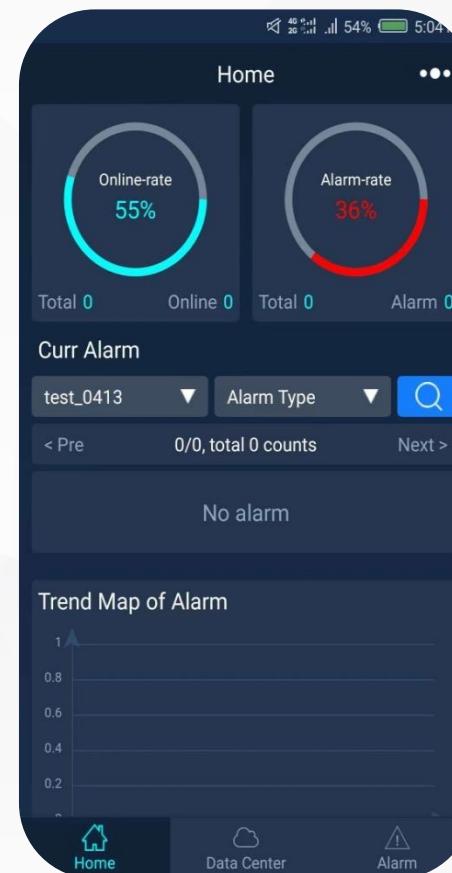
Monitoring system



Bypass	
Voltage(V)	232.8
Current(A)	0.0
Frequency(Hz)	50.02
Main Input	
Voltage(V)	234.7
Current(A)	1.4
Frequency(Hz)	50.01
Battery	
Capacity(%)	100.0
Voltage(V)	216.4
Current(A)	0.4
Remaining Time(Min)	--:--

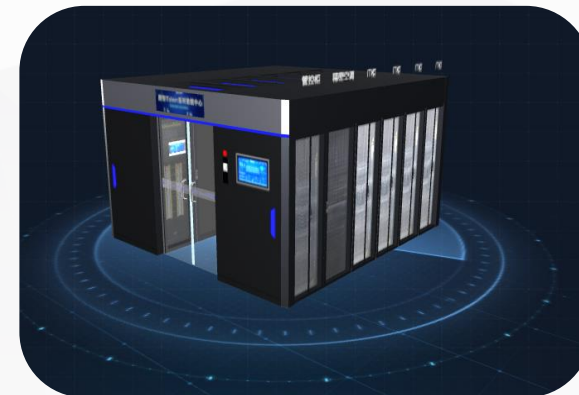


Load	
Apparent Power(kVA)	0.0
Active Power(kW)	0.0
Load Percentage(%)	0.3
Output	
Voltage(V)	229.9
Current(A)	0.0
Frequency(Hz)	50.01



iTalent series

Centralized monitoring



iTalent series

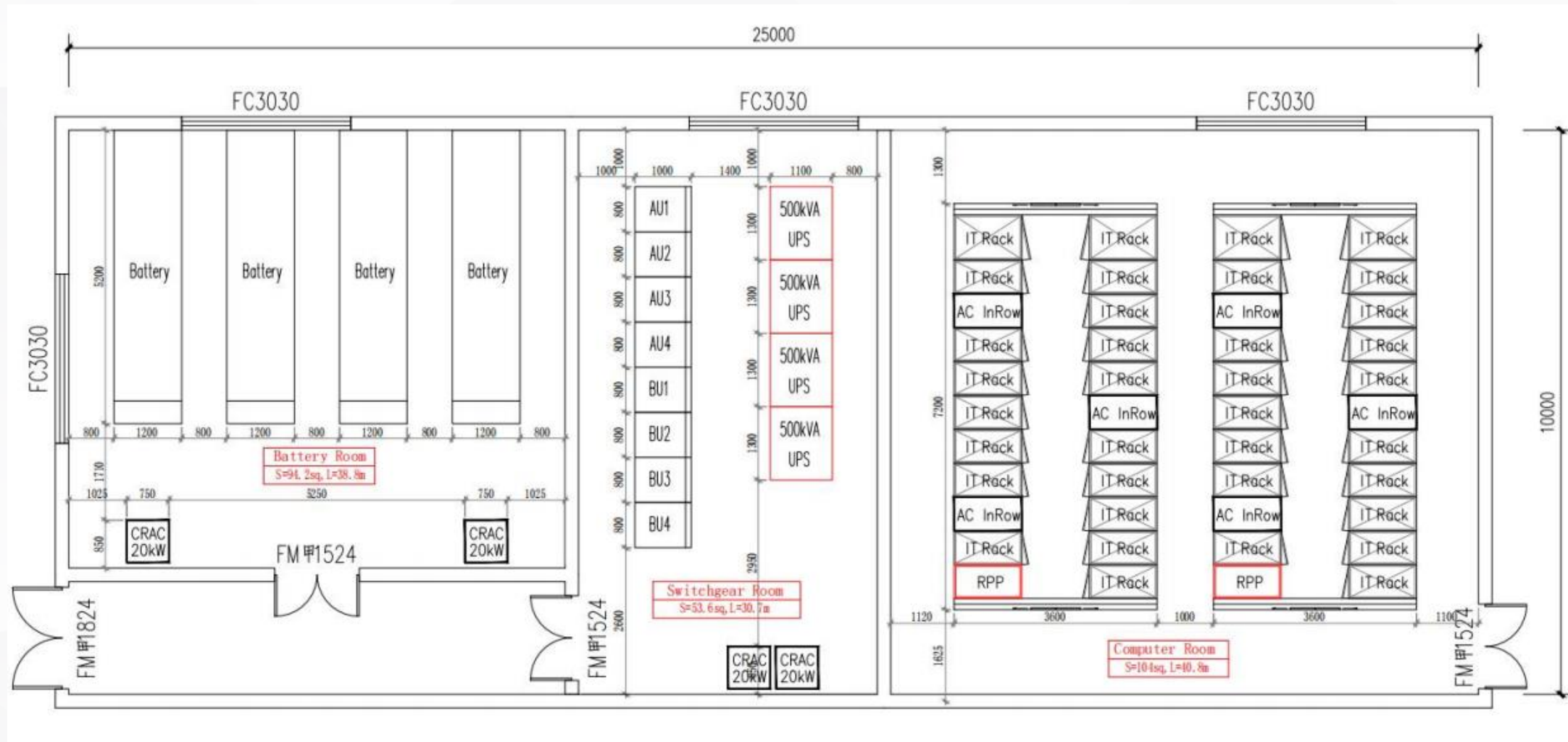
installation



- ▶ 01 Preparation for installation
- ▶ 02 Cabinet Installation
- ▶ 03 Skylight Installation
- ▶ 04-1 Automatic sliding door installation
- ▶ 04-2 Automatic sliding door wiring path
- ▶ 05 Manual sliding door installation -optional
- ▶ 06 M-shaped cable tray installation
- ▶ 07 Fences installation
- ▶ 08 Lintel sensor installation
- ▶ 09 Supervision system display installation
- ▶ 10 Extended control module installation
- ▶ 11 Skylight lamp installation
- ▶ 12 Installation of the exit buttons
- ▶ 13 Installation of the emergency power off's button
- ▶ 14 Access control installation
- ▶ 15 Face recognition installation -optional
- ▶ 16 Top strip screen installation
- ▶ 17 LED ambient light installation
- ▶ 18 Corridor infrared sensors installation



layout e.g.



04

iLegend series
container data center

iLegend series



20ft

H*W*L: 2896×2438×6058mm

2896×3000×6058mm

IT cabinet: 3 @27kW

4 @36kW



40ft

H*W*L: 2896 × 2438 × 12192mm

2896 × 3000 × 12192mm

IT cabinet: 7 @63kW

10 @90kW

iLegend series

Application



Sports events



Oil exploration



Marine scientific research

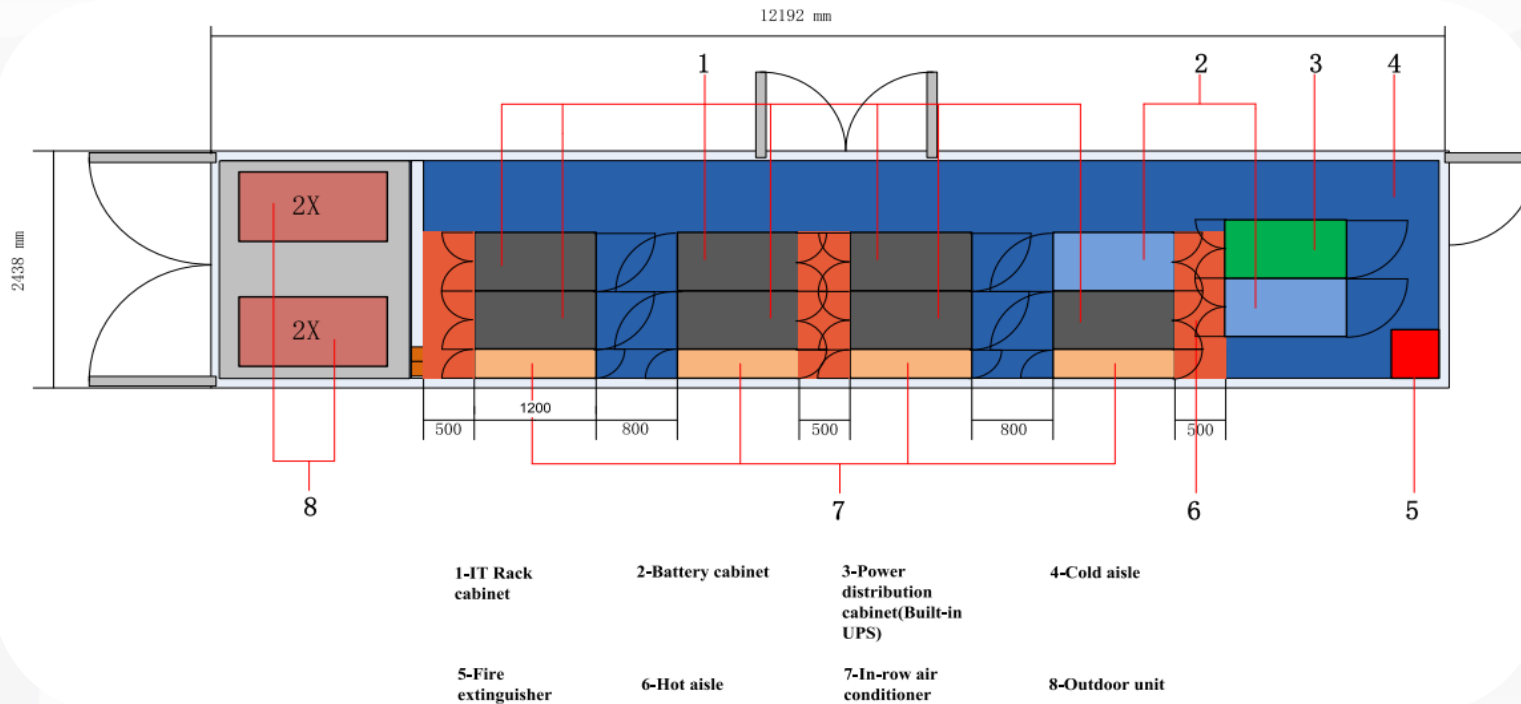


Emergency communications

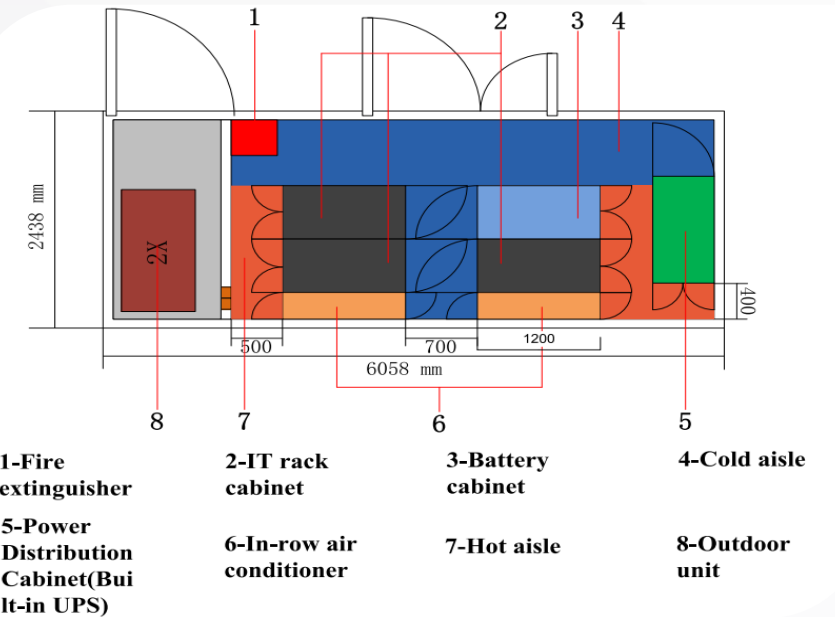
solutions



40ft



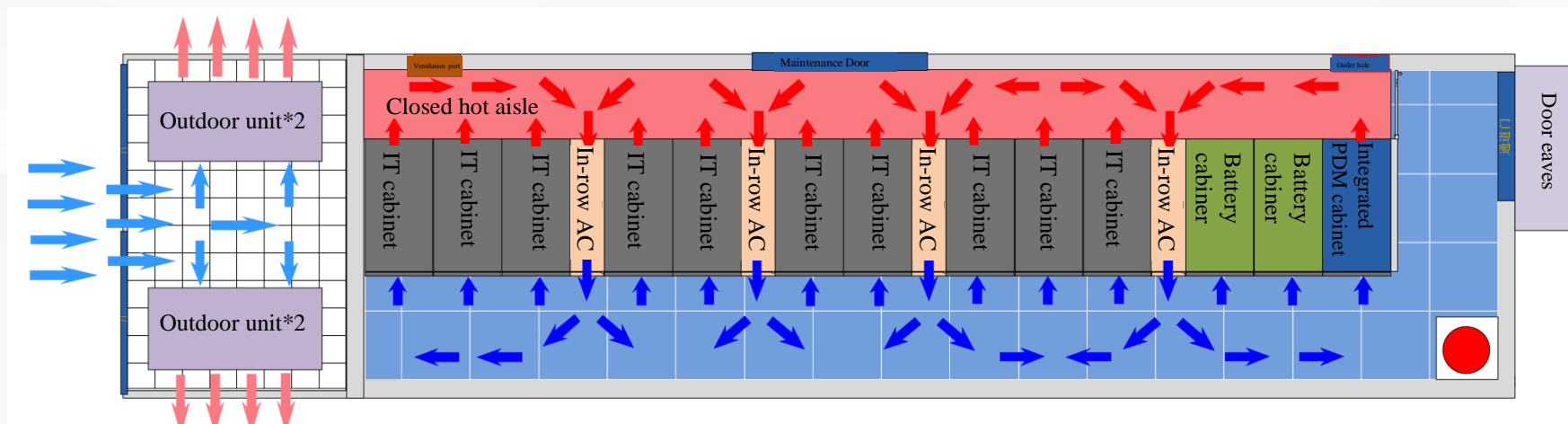
20ft



with in-row cooling

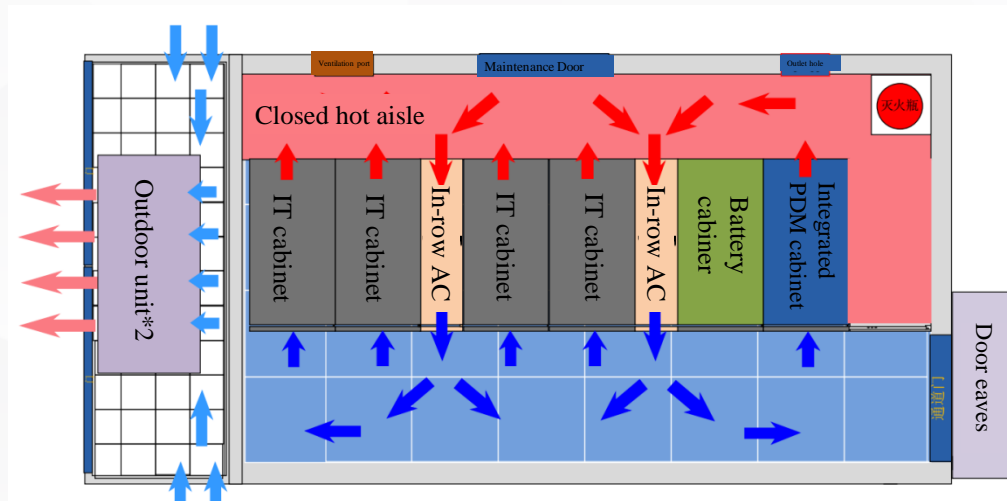
iLegend series

solutions



40ft @10 IT cabinet

3m width
solutions
with in-row cooling

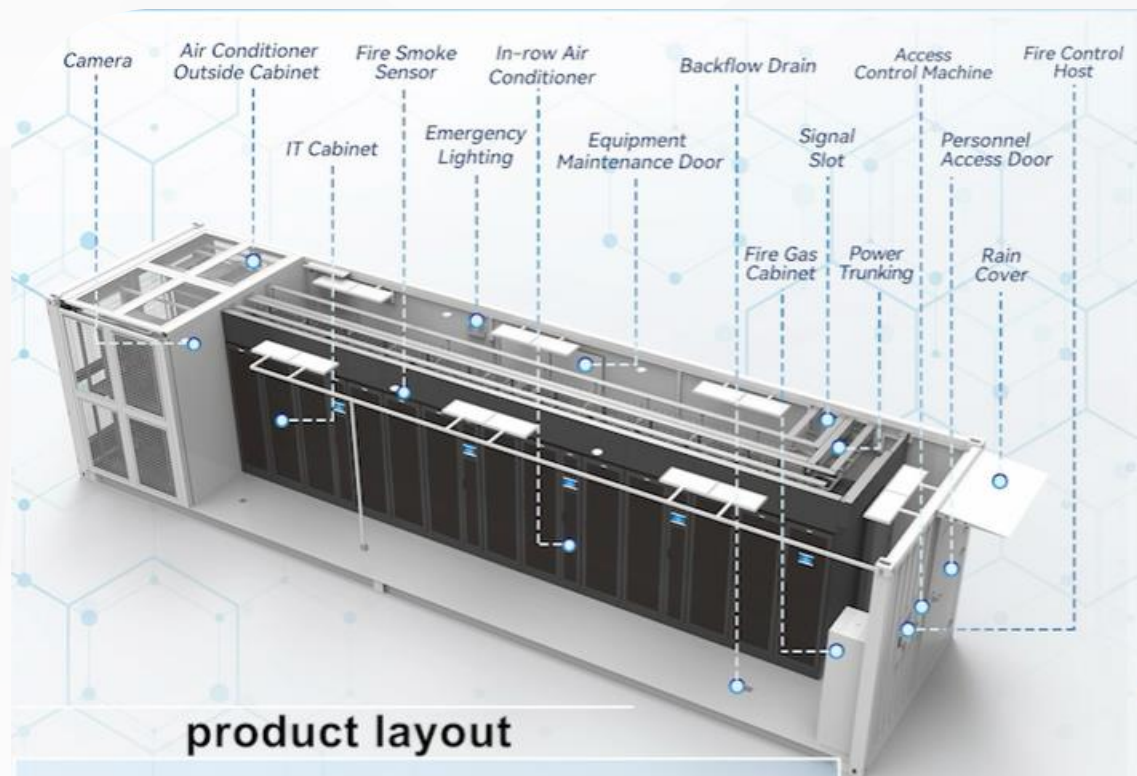


20ft

iLegend series

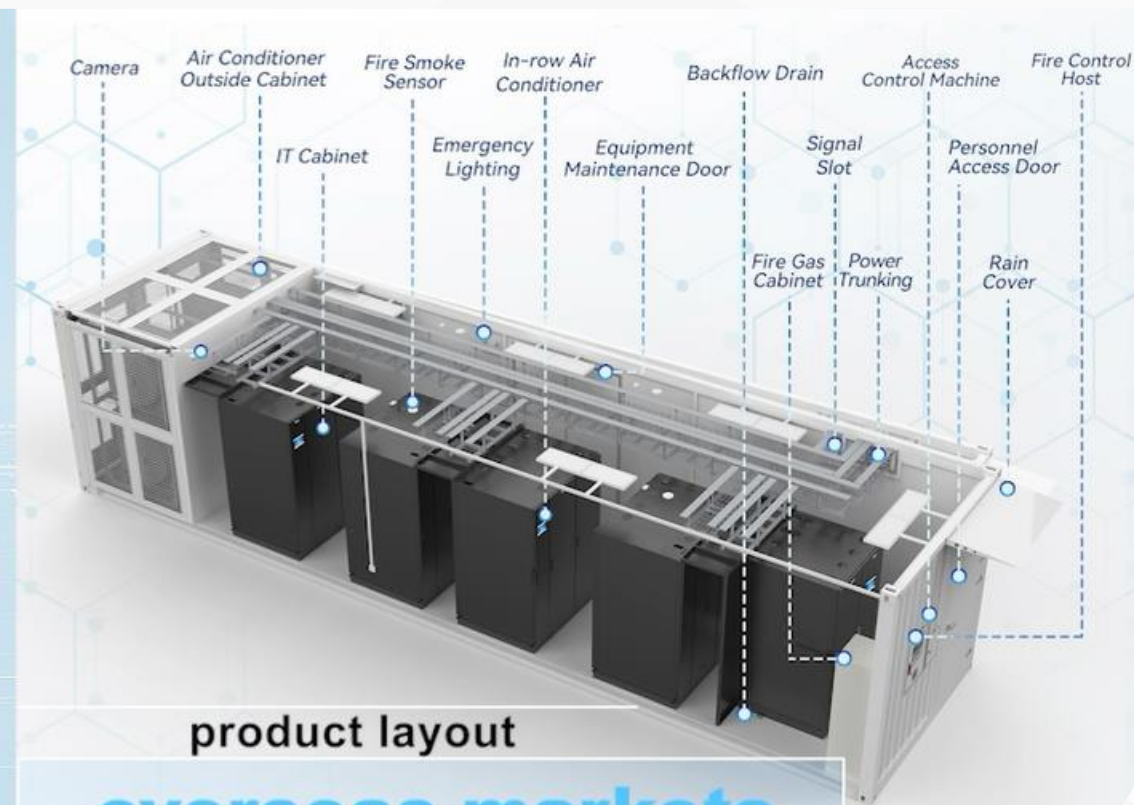


Layout



product layout

China market



product layout

overseas markets

iLegend series



During transportation, the air conditioners are stayed in the container

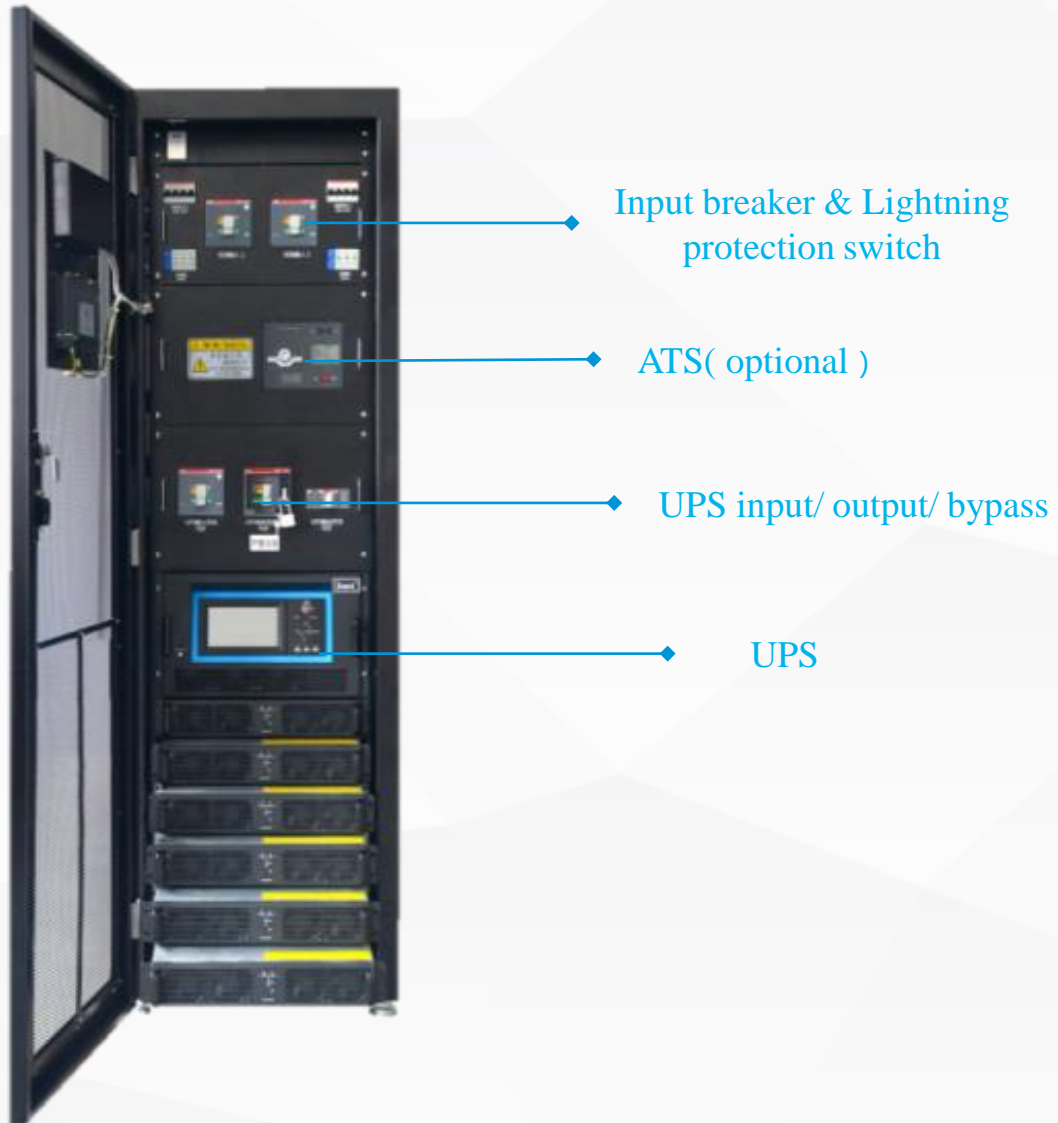


Upon receiving the product, no complicated installation is required. Our rail system allows you to simply slide out the ACs and plug it in for immediate use.



iLegend series

Power distribution system & UPS



45-90kVA UPS



150kVA UPS

iLegend series

Air conditioner



12.5kW-60kW
in-row



7.5kW-20.5kW
Integrated type
(main used for lithium battery)

iLegend series

Access control



OR

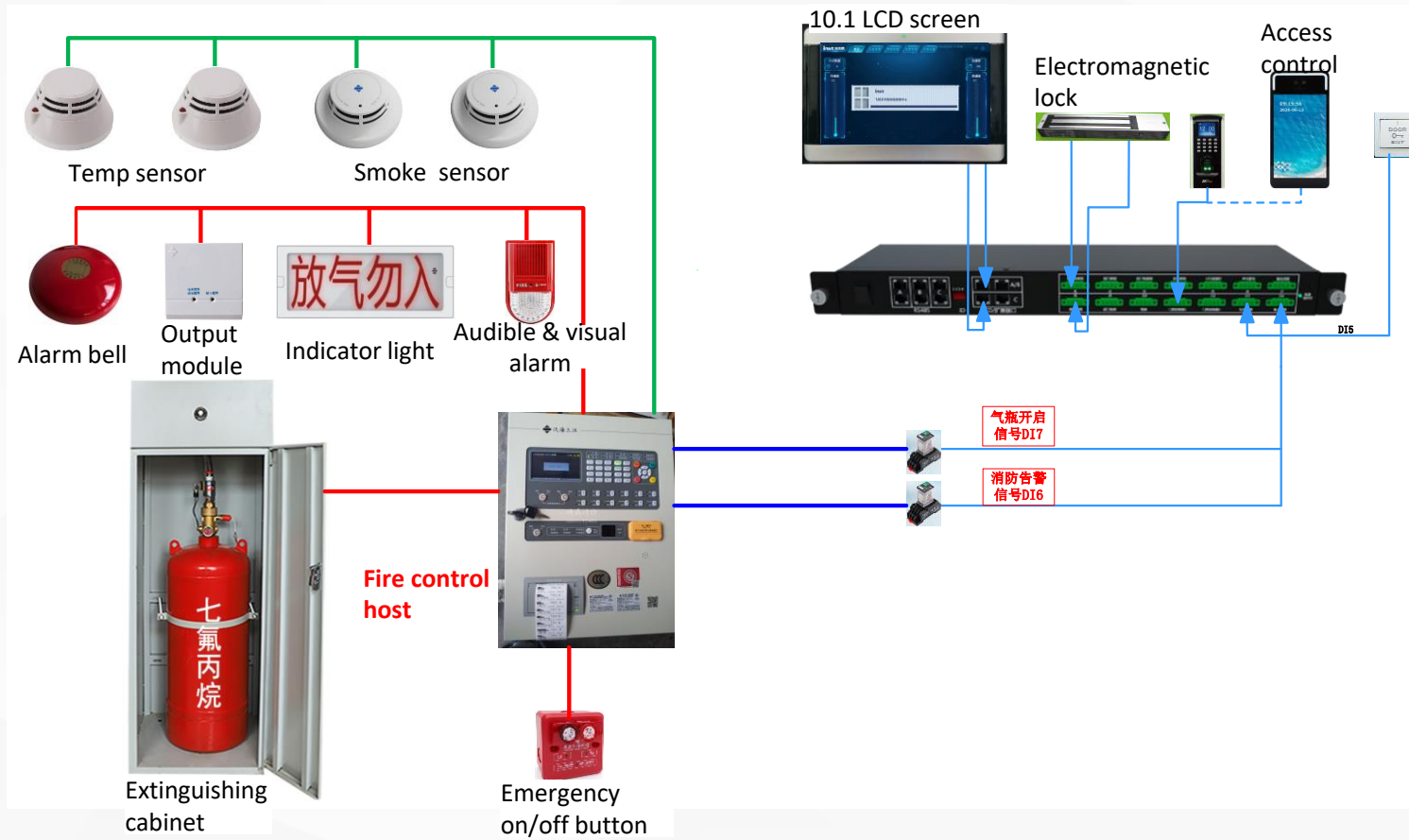
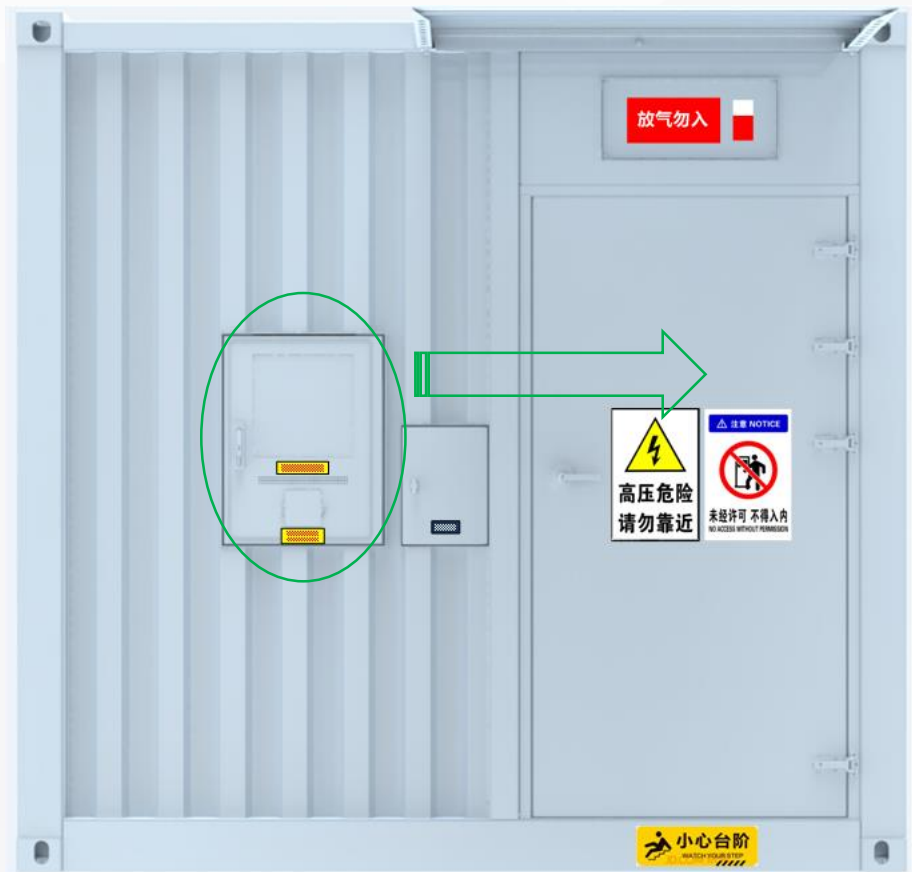


Access control system as a device of authority management, combined with intelligent monitoring screen can realize the role of **opening and closing the container personnel access door, identification, user management, password / fingerprint setting and modification.**

Face recognition device as an option, connected to the cabinet control module, combined with the power and environment system can realize the role of opening and closing the container personnel access door, identity recognition, user management, etc.

iLegend series

Fire control



iLegend series

Detect components



Email Server Settings

SMTP/163

Port Number 1 25

From Email 5 7@163.com

Account 5

Password *****

To Email 2 5-@163.com Send Test Email

Set



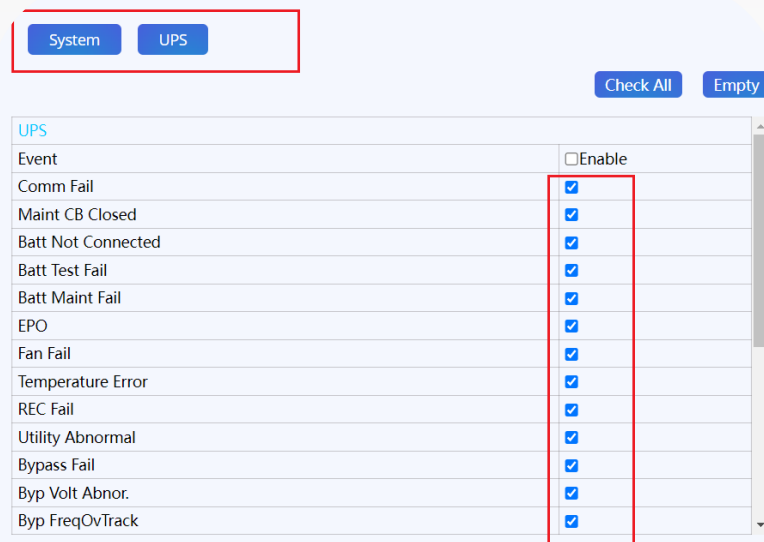
Temp & Hum sensor



Water leakage sensor



Smoke sensor



System UPS

Check All Empty

UPS

Event	Enable
Comm Fail	<input checked="" type="checkbox"/>
Maint CB Closed	<input checked="" type="checkbox"/>
Batt Not Connected	<input checked="" type="checkbox"/>
Batt Test Fail	<input checked="" type="checkbox"/>
Batt Maint Fail	<input checked="" type="checkbox"/>
EPO	<input checked="" type="checkbox"/>
Fan Fail	<input checked="" type="checkbox"/>
Temperature Error	<input checked="" type="checkbox"/>
REC Fail	<input checked="" type="checkbox"/>
Utility Abnormal	<input checked="" type="checkbox"/>
Bypass Fail	<input checked="" type="checkbox"/>
Byp Volt Abnor.	<input checked="" type="checkbox"/>
Byp FreqOvTrack	<input checked="" type="checkbox"/>

E-mail notification



Infrared sensor (Optional)



Webcam (Optional)

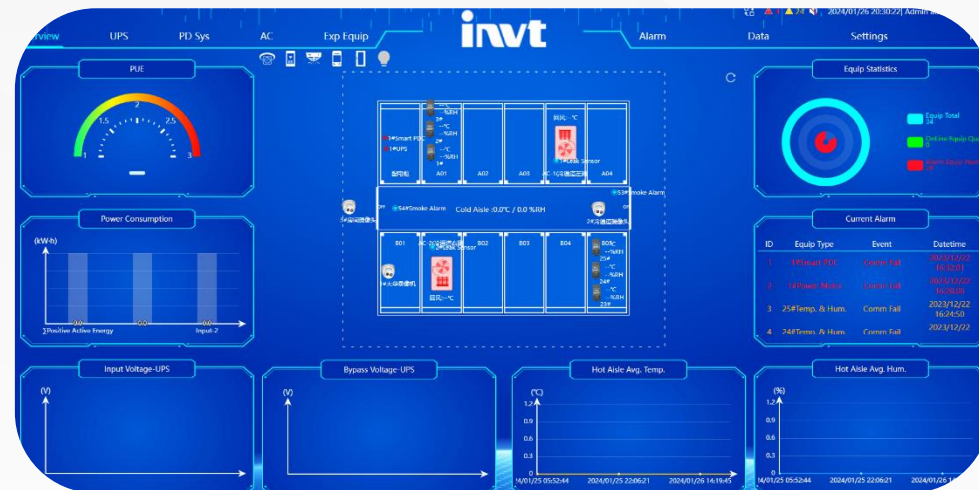


SMS alarm (Optional)

iLegend series



Host cabinet HMI



Web monitoring



PDC HMI



Centralized monitoring

Full Series





Thank you

Nov 5, 2024