

Infinity Series

Containerized Data Center

End-to-End Containerized Data Center Solutions



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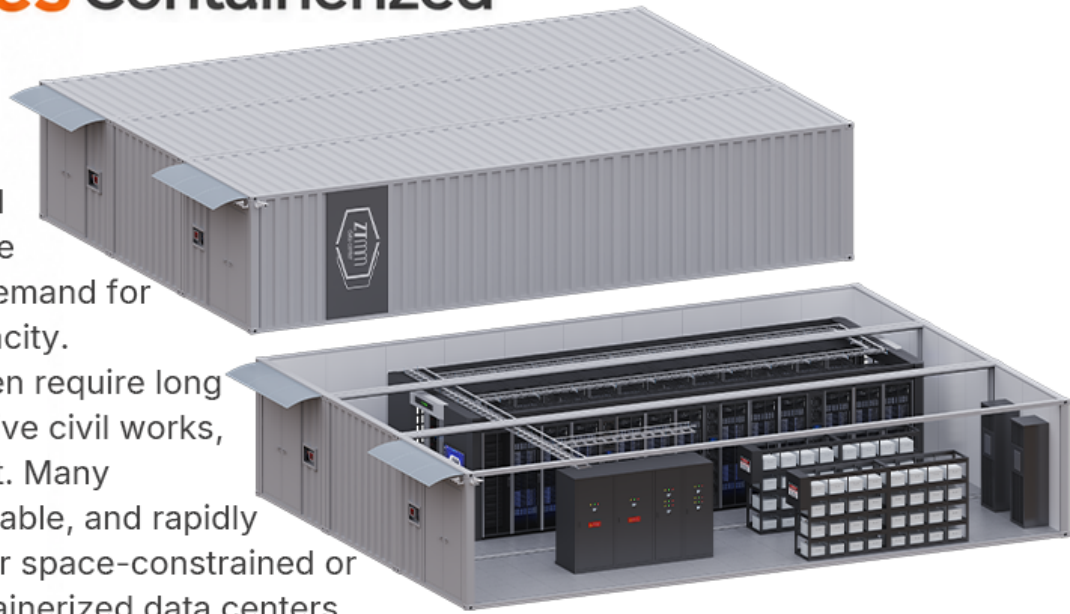
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Infinity Series Containerized Data Center

Digital transformation, cloud computing, AI, IoT, and edge computing are increasing demand for distributed data center capacity. Traditional data centers often require long construction cycles, extensive civil works, and high upfront investment. Many customers need secure, reliable, and rapidly deployable infrastructure for space-constrained or remote environments. Containerized data centers address these needs by integrating the facility layer into factory-built modules.



The Infinity Series Containerized Data Center is a modular, factory-preconfigured data center solution integrating IT racks, power distribution, UPS, precision cooling, fire suppression, security, and intelligent monitoring into a ruggedized container enclosure.

Available in 20 ft Standard, 20 ft Plus, 40 ft Standard, 40 ft Plus, and customized configurations, it can operate as a standalone edge data center or scale into clustered data center deployments through multiple container modules.

01



All-in-One Integration

Pre-integrated IT racks, cooling, power distribution, security, monitoring, and fire suppression in one container.

02



20 ft / 40 ft / Custom Dimensions

Flexible size options, including 20 ft, 40 ft, Plus, and customized designs for different application needs.

03



Factory Prefabrication and Pre-Installation

Factory-built, pre-installed, and tested to ensure consistent quality and reliability.

04



Rapid Deployment After Site Preparation

Delivered as a complete module for fast installation and shorter time to service.

05



Standalone or Clustered Architecture

Operates as a standalone edge data center or scales into larger capacity through multi-container clustering.

06



Full Lifecycle Support

Support from planning and design to delivery, operation, and maintenance.

Application Scenarios



Telecom Edge Sites

- Regional network nodes
- 5G / edge computing rooms
- Outdoor or semi-outdoor deployment



Cloud & AI Infrastructure Expansion

- Fast capacity deployment
- Distributed cloud nodes
- Phased compute expansion



Enterprise & Industrial Data Centers

- Manufacturing parks
- Energy, Oil & Gas, Mining
- Remote sites



Government, Research & Smart Infrastructure

- E-government
- Research centers
- Smart substations
- IoT node data centers



SMB / Regional Data Center Capacity

- Lower initial investment
- Simplified operation
- Expandable as business grows

Delivery & Service Process



Requirement
analysis



Solution
design



Configuration
confirmation



Factory
prefabrication



Factory
testing



Transportation



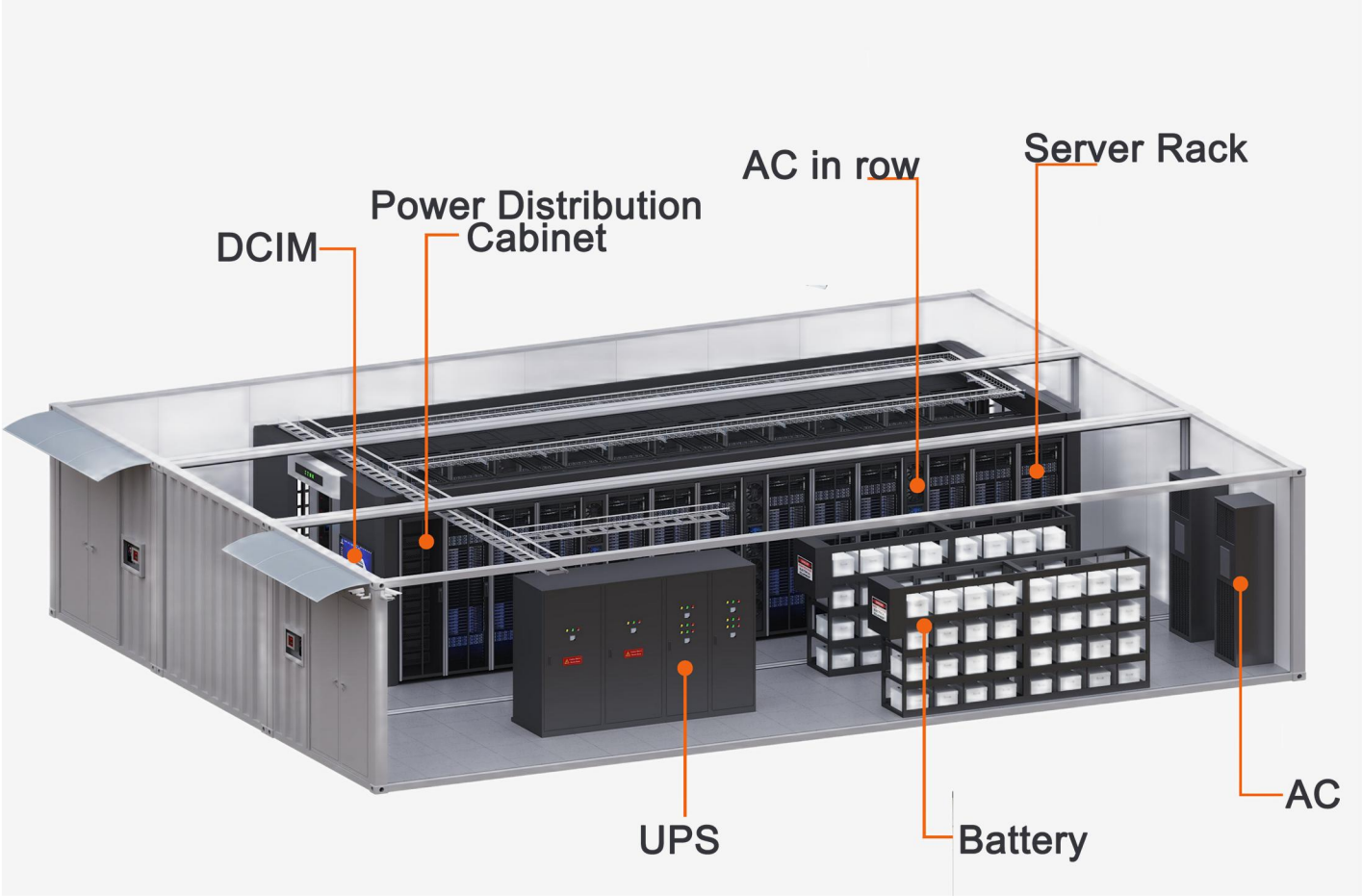
Comm &
training



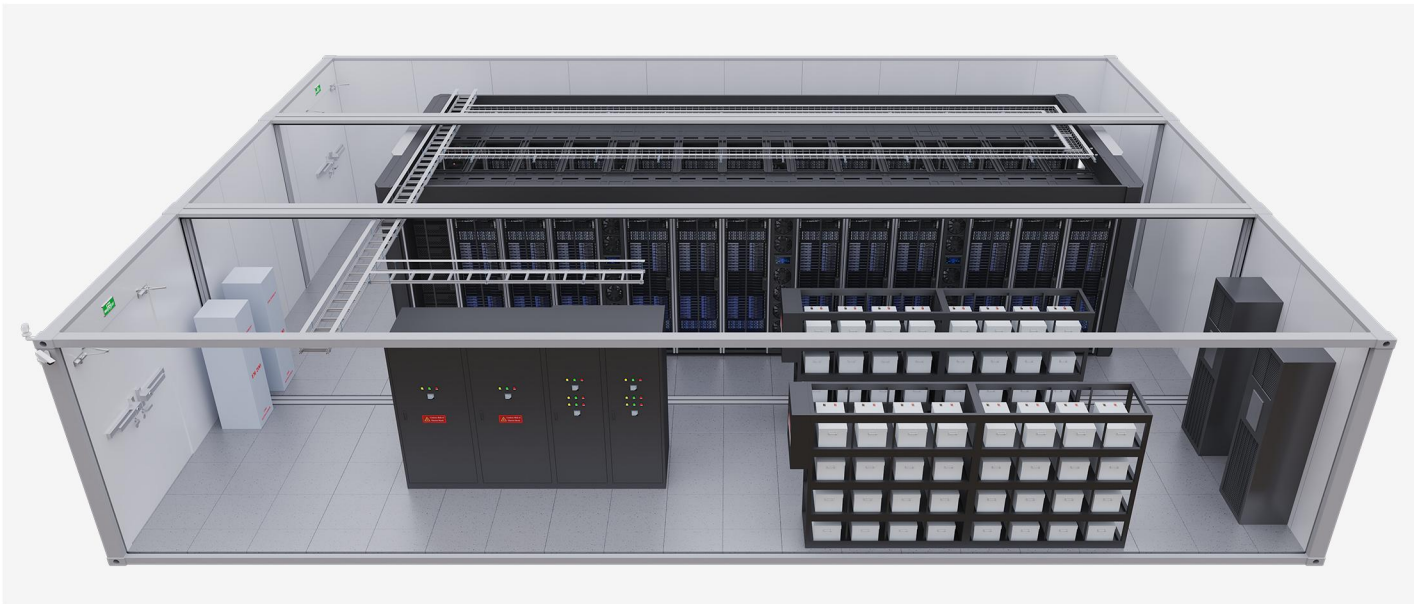
After-sales
service



Component Overview of Infinity Series

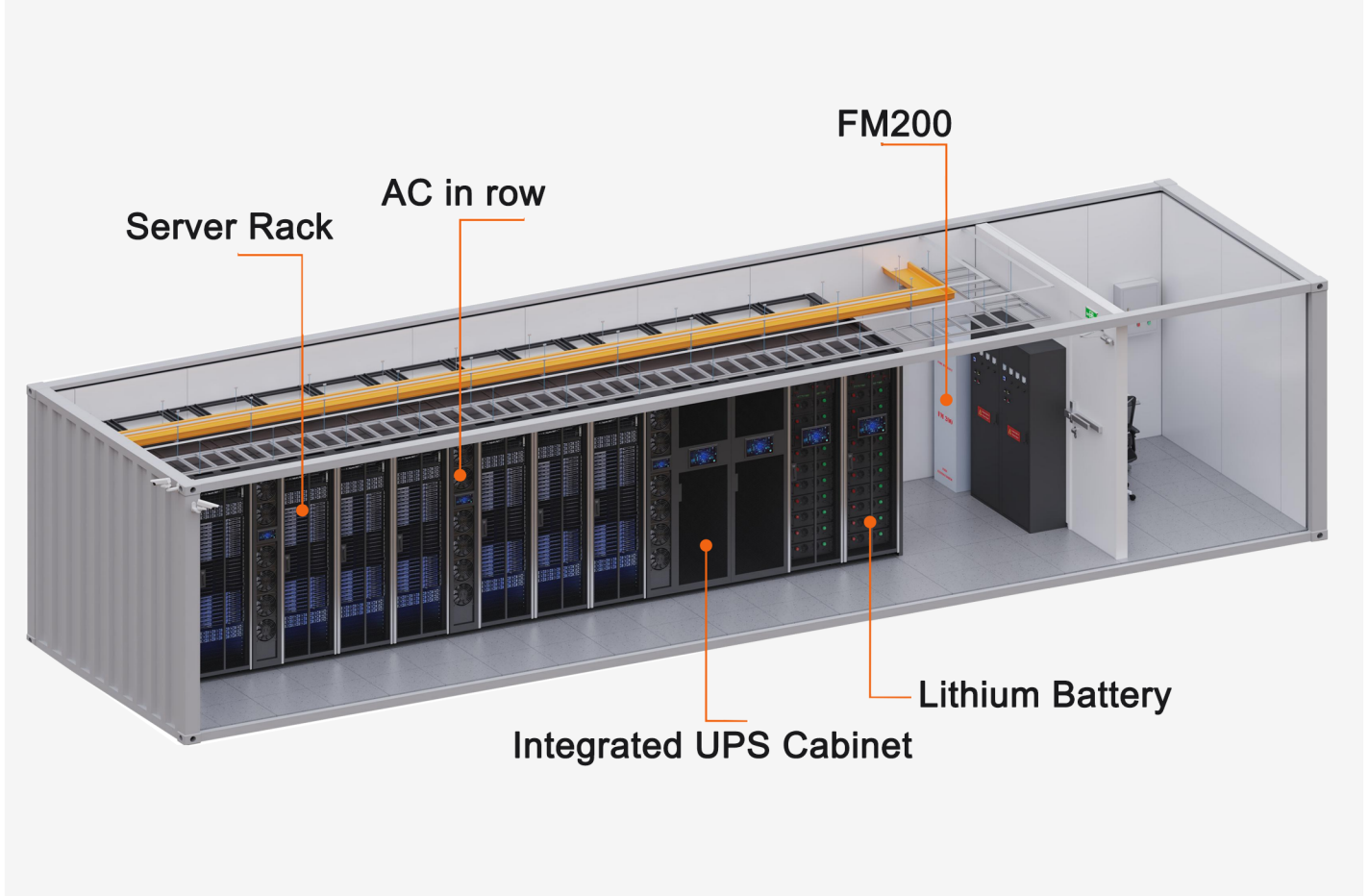


Oblique View of Containerized Data Center



Side View of Containerized Data Center

Component Overview of Infinity Series

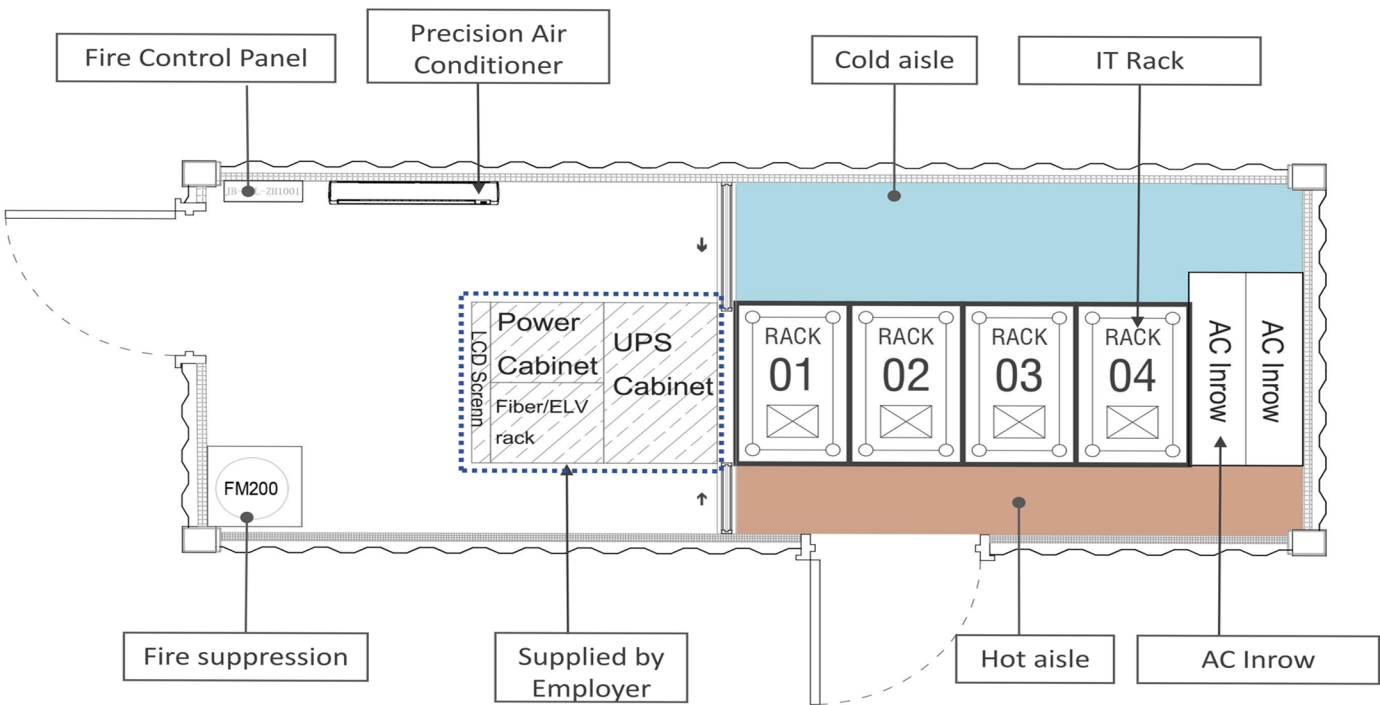


Oblique View of Containerized Data Center

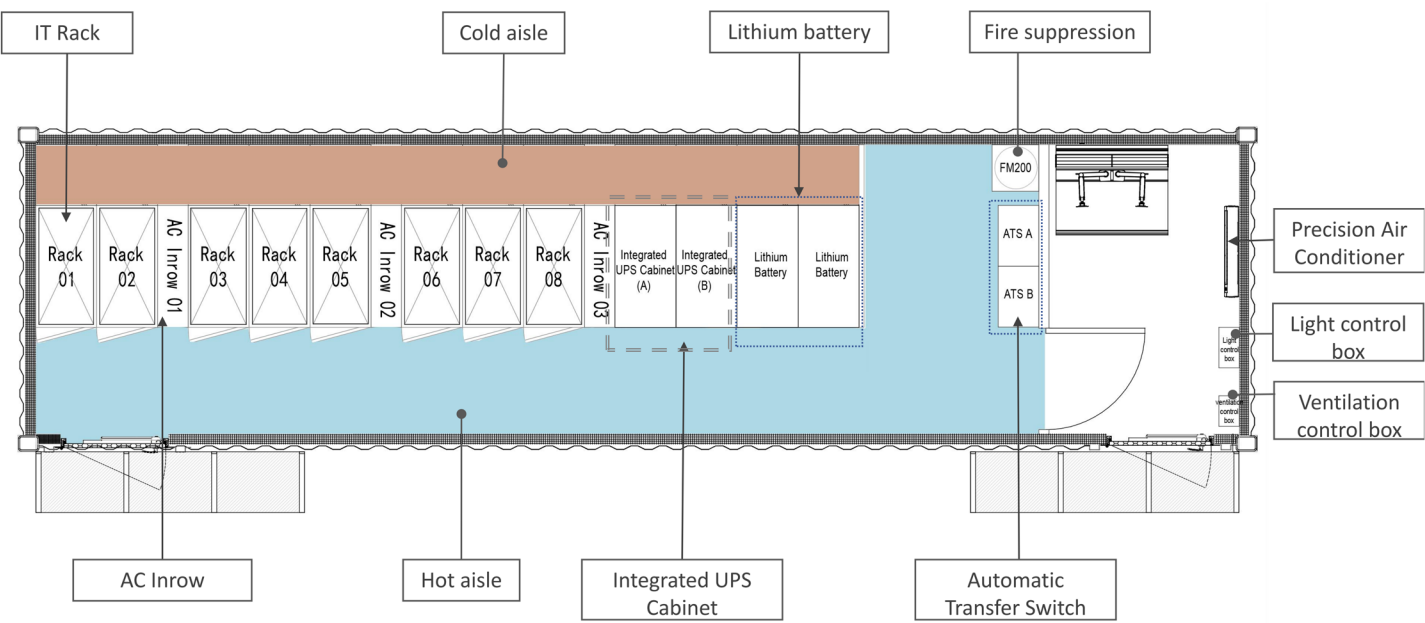


Side View of Containerized Data Center

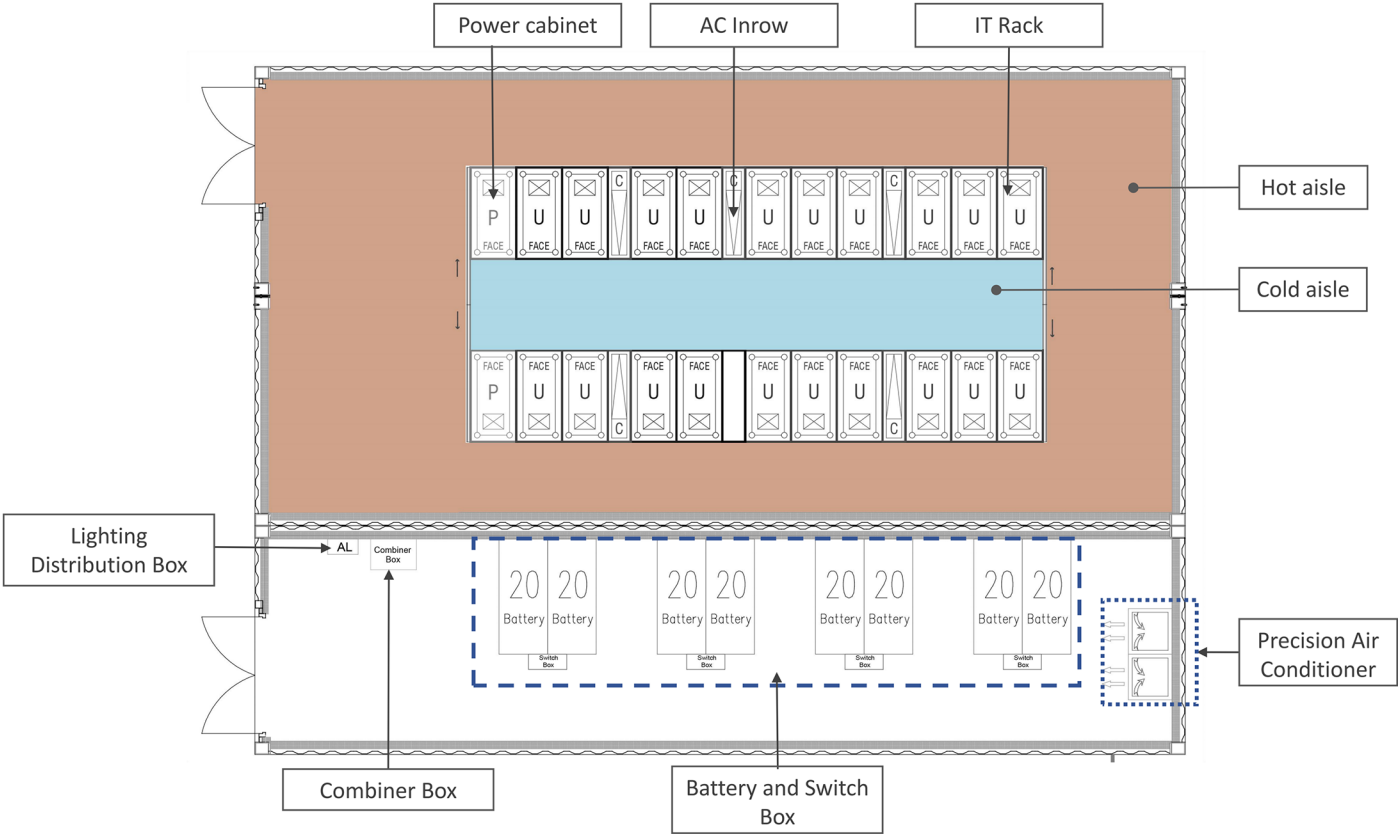
Modular Data Center All-In-One Containers



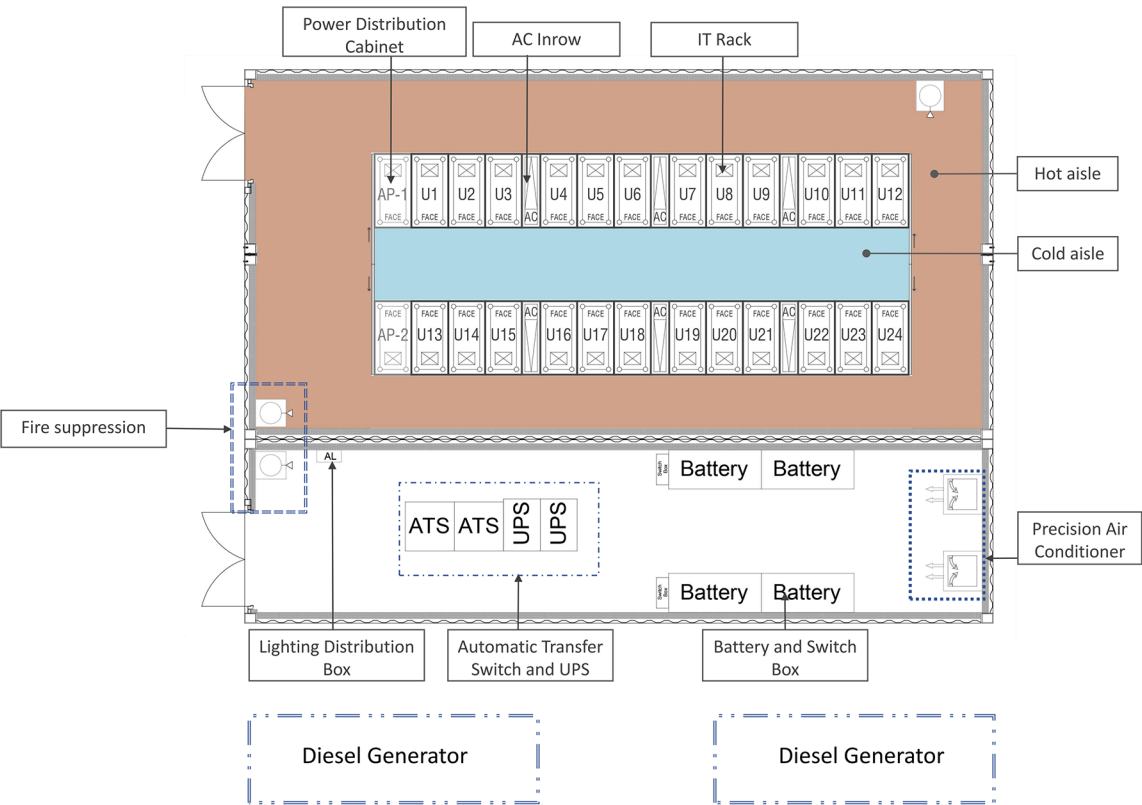
Modular Data Center All-In-One Containers



Data Center Container Cluster



Data Center Container Cluster



Model		Infinity Series 20ft - Standard		Infinity Series 20ft - Plus	
Basic	Dimensions (W × D × H, mm)	6058x2438x2896		6058x3000x2896	
	Number of IT Racks	3	5	3	5
	Power per Rack (kW)	≤5			
	Total IT Load (kW)	≥15	≥25	≥15	≥25
	Input Power Type	Three-phase, four-wire + PE, 380/400/415 V, 50/60 Hz			
Electric	Integrated UPS Power Distribution	Dual input, integrates ATS/UPS/IT/AC/lighting, N+X/2N redundancy, IP40, Class B SPD, monitoring.			
	Surge Protection Rating	I _{max} < 80 kA (8/20 μs)			
	UPS Capacity	≥20KVA	≥40KVA	≥20kVA	≥40kVA
	UPS configuration	2N、N+1、N			
	Backup time	≥ 15 min			
AC	AC configuration	Air-Cooled In-Row Precision Cooling Unit			
		12.5 kW/unit	25 kW/unit	12.5 kW per unit	25 kW/unit
		(1+1 redundancy)	(1+1 redundancy)	(1+1 redundancy)	(1+1 redundancy)
	Refrigerant	R410A			
	Hot/cold aisle	Slide tray under the rack		Cold Aisle ≥ 900 mm; Hot Aisle ≥ 700 mm	
	AC system	Supports air, Refrigerant pump, water cooling and indirect evaporation			
	Optional Cooling Accessories	Low-temperature modules, extension modules etc			
Surge protection on ground	Surge protection	Meets TIA-942 requirements			
	Grounding	Common grounding system, grounding resistance < 1 Ω			
Security	Access door	Password/fingerprint/card access control			
	CCTV	Full CCTV coverage inside & outside container			
DCIM	Remote	Remote O&M via web, email, and EMS; supports unattended operation			
	Monitoring	Asset, capacity, space, energy management			
Fire suppression	Automatic fire alarm	Optional ultra-early smoke detection			
	Fire extinguishing system	FM-200 / Novec 1230 clean-agent fire suppression system			

Model		Infinity Series 40ft - Standard		Infinity Series 40ft - Plus	
Basic	Dimensions (W × D × H, mm)	12192x2438x2896		12192x3000x2896	
	Number of IT Racks	8	10	10	14
	Power per Rack (kW)	≤5			
	Total IT Load (kW)	≥40	≥50	≥50	≥70
	Input Power Type	Three-phase, four-wire + PE, 380/400/415 V, 50/60 Hz			
Electric	Integrated UPS Power Distribution	Dual input, integrates ATS/UPS/IT/AC/lighting, N+X/2N redundancy, IP40, Class B SPD, monitoring.			
	Surge Protection Rating	I _{max} < 80 kA (8/20 μs)			
	UPS Capacity	≥60KVA	≥75KVA	≥75kVA	≥100kVA
	UPS configuration	2N 、 N+1 、 N			
	Backup time	≥ 15 min			
AC	AC configuration	Air-Cooled In-Row Precision Cooling Unit			
		25 kW/unit	25 kW/unit	25 kW/unit	25 kW/unit
		(2+1 redundancy)	(3+1 redundancy)	(3+1 redundancy)	(4+1 redundancy)
	Refrigerant	R410A			
	Hot/cold aisle	Requirement , Cold aisle≥ 1000mm/Hot aisle≥600mm		Cold Aisle ≥ 900 mm; Hot Aisle ≥ 700 mm	
	AC system	Supports air, Refrigerant pump, water cooling and indirect evaporation			
	Optional Cooling Accessories	Low-temperature modules, extension modules etc			
Surge protection on ground	Surge protection	Meets TIA-942 requirements			
	Grounding	Common grounding system, grounding resistance < 1 Ω			
Security	Access door	Password/fingerprint/card access control			
	CCTV	Full CCTV coverage inside & outside container			
DCIM	Remote	Remote O&M via web, email, and EMS; supports unattended operation			
	Monitoring	Asset, capacity, space, energy management			
Fire suppression	Automatic fire alarm	Optional ultra-early smoke detection			
	Fire extinguishing system	FM-200 / Novec 1230 clean-agent fire suppression system			



Let's Build Your Next-Generation Data Center Together



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