

Outdoor Cabinet Solution

Less footprint, designed to put on the roof, terrace, side of the street, open space, compact sized, easy deployment. The Cabinet is highly integrated to combine all functions of a data center house, while saving the construction cost. We provide multiple temperature control method options: ①Air cooling, precision air-con and well-designed air channels to achieve efficient cooling. ②Liquid cooling, including liquid flow, spraying and Immersion type.



Size	3500x1200x2400mm
Footprint	4.20m ²
Net Weight	800kg
Panel thickness	50mm Polyurethane
Plinth height	150 or 200mm

Product Feature

- Thermal bridge isolated design.
- Outlook of ceiling and side panel could be customized.
- Front access design, F to B airflow.
- Mass heat density deployment, up to 5000W/m².
- Rear panel removable for maintenance.



Outdoor Cabinet / Container House

For Integrated Data Center

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Container House Solution

Designed for Cloud computing center, Data center for enterprise. The container house solution is fit for high performance data center requirement, easy to upgrade, devices integrated and efficient management. We apply suitable cooling methods for each site, to achieve low PUE and energy saving.



Product Feature

- Fast build: Prefabricated, support both full assembly or field installation.
- Easy to upgrade: Modular design, support for device upgrade on vertical or horizontal areas.
- Temp control: Isolate heat source from general equipment, set up accurate cooling method, avoid hot-spot.

Structure

- The container house is a frame structure, the corner posts, corner fittings, and side beams could bear 860KN loading.
- Thermal bridge isolated design, the Heat insulated & Flame-retardant wall makes the whole system thermal conductivity $<0.58W/m^2 \cdot K$



Air-con Type

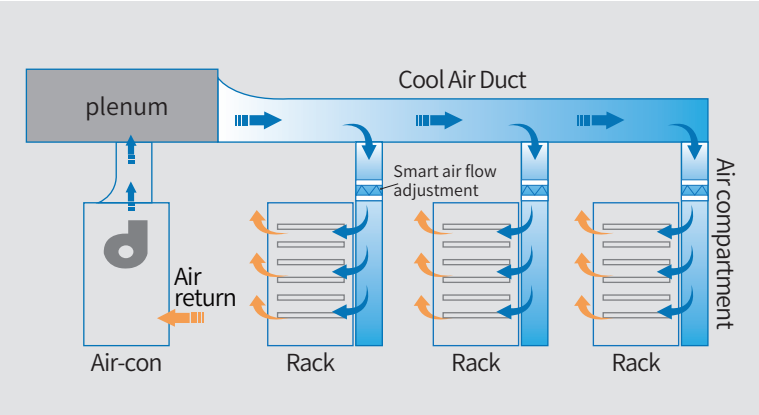
- 41.6KW precision Air-con (Adjustable)
- 25KW In-row Air-con (Adjustable)



Airflow Management

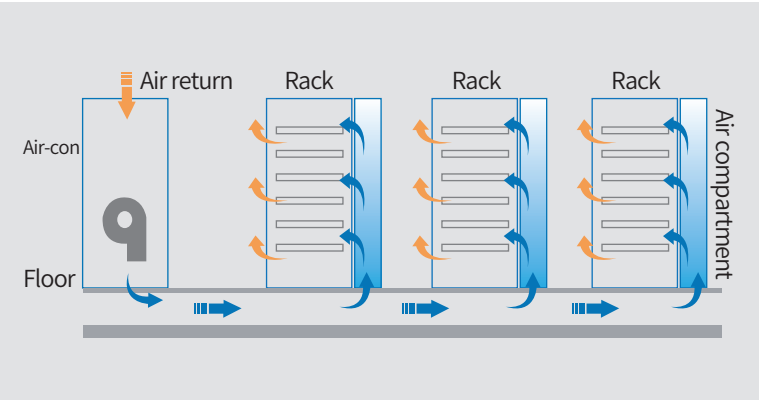
Ceiling Air supply

- Cool air from the ceiling
- Direct to the racks
- Air flow adjustable



Under-floor Air supply

- Cool air from the floor
- Direct to the racks
- Also fit for side wind direction



Cabinet Structure

- **Capacity:** 3 Racks for Power & Battery, 2 Racks for Equipment.
- **Integrated equipment:** AC/DC power, UPS power, Battery, Optical distribution box, Air-con, Air channel, etc.
- **Side components:** Cable tray, Cable anchoring plate, Air deflector.
- **GND:** General busbar GND terminals, separate GND cables, Anchoring GND point.
- **SPD:** equipped with lightening surge protection, up to 60kA grade B.
- **Smart Lock:** Electronic smart door lock, supports for Bluetooth, app and remote access unlock .



Thermal Management



6.5KW Precision Air-con

Configuration			
Power config	AC junction box	Optional	
	AC-In	Three-phase 100A	With generator interface
	Rectifier / UPS	19" standard	Pre-installed
	Battery	Li or VRLA	
	Air-con	≥6.5KW x3	Precision control
	Emergency Cooling channel	≥2000m³/h	
	Fluorine pump	≥20KW	Pre-installed
Equipment	Power & Environmental Monitoring	Optional	Install & tuning
	Optical distribution box	≥288 LC-LC	Up to 576
	Server	20 sets	
	Ethernet switch	2KW	
	Edge Computer EMC	3KW	Inverter standby power
	Customer devices		TBD