Smart Modular DC

FusionModule2000

Smart modular DC

INTRODUCTION

Huawei FusionModule2000 is a new generation smart modular data center solution, which dedicated to providing customers with simple, efficient, and reliable data center solutions.

It's a modular-designed, highly integrated solution which comprises power supply, cooling, rack & structure, cabling and management system within a module, meeting the requirements for quick delivery and on-demand deployment.

Furthermore, the Huawei smart module uses the i3 intelligent management to comprehensively improve the reliability and efficiency of power supply and cooling system. This significantly improves data center availability and O&M efficiency.



Standard Dual- row

Standard Dual-row Smart Screen Version*



Simplified Single-row

APPLICATION SCENARIOS

The FusionModule2000 uses an air-cooled cooling system and is mainly applicable
to small- and medium-sized data centers. The solution features simple design and
high building adaptability, lowering the requirements of room height and
reconstruction. It meets the data center deployment requirements of various
sectors such as enterprise headquarters and large branches, bank headquarters
and secondary branches, governments, carriers, education, and healthcare.

FEATURES & VALUE

Simple

· Modular design, one module one DC, on-demand deployment and flexible expansion

Green

- iCooling intelligent optimization*, reducing the energy consumption of cooling system by 8% to 15%
- SmartLi Inside* supports Huawei smart lithium batteries deployed in the module. Compared with traditional lead-acid batteries, footprint is reduced by 70% under the same load and same backup time
- · Wet film humidification*: Compared with traditional electrode humidifiers, wet film humidifiers reduce energy consumption by 95%
- · Industry's first air-cooled smart modular DC PUE test and certification, the annual average PUE is as low as 1.111 @Beijing

Smart

- · iManager: Space, Power, Cooling (SPC) visualization, automatic asset management simplified O&M
- 3D view* clear display of key information and alarms about power distribution and cooling system, automatic management of assets*, automatic asset tracking, and no manual counting
- · Local 43-inch smart screen * intuitive display of intelligent features, simplifying O&M

Reliabl

- · iPower: Visualization of power supply chain, fault auto-locating and auto shutdown for proactive protection
- · SmartLi Inside*: Three-layer BMS ensure the reliability of lithium batteries
- · Innovative intelligent refrigerant leakage detection prevents cooling capacity decrease or air conditioner breakdown

SPECIFICATIONS

Item		Specifications
		Single row (with aisle containment) (L×W×H):
	Dimensions	L×2400×2410mm; L×1350×2000mm; L×1600×2000mm
		Dual row (with aisle containment) (L×W×H): L×3600×2410mm; L×3400×2410mm; L×3600×2610mm
	Cabinets per module	Single row≤24 cabinets; dual row: ≤48 cabinets
Minus Madela	Power supply	380/400/415VAC, 50/60Hz, 3Ph+N+PE
Micro Module	Max IT load per module	180kW (with integrated UPS)/ 145kW (with integrated PDC)/ 310kW (with New main way)/ 310kW (with precision PDC)
	Operation condition	Ultra low temperature condition: -40°C to 45°C(Need low-temp kit) T1 condition: -20°C to 45°C; T3 condition: -5°C to 55°C(Need T3 outdoor unit)
	Cable routing	Routed in/out through the top of cabinets
	Installation	Installing on concrete floor or raised floor
	Dimensions (H×W×D)	2000mm×600/800mm×1200mm; 2000mm×600mm×1100mm;
	Dimensions (Firmwing)	2200mm×600/800mm×1200mm
Cabinet	Space available	42U/47U
	Cabinet Porosity	Front and rear doors: hexagonal mesh door design, porosity rate ≥ 75%
	Protection level	IP20
Air-cooled In-row air conditioner	Cooling capacity	25kW/35kW/46kW、65kW
	Discouries (U.M. D)	25kW:2000mm×300mm×1100mm;
	Dimensions (H×W×D)	35kW:2000mm×600mm×1200mm;
	Power supply	46kW/65kW:2000mm×600mm×1200mm; (Simplified Single-row can only support 46kW)
	Power supply	380/400/415VAC, 50/60Hz, 3Ph+N+PE
	Refrigerant	R410A
	Input voltage	380/400/415VAC, 50/60Hz, 3Ph+N+PE
	Input Input power factor	250A/400A/630A MCCB (single input); 250A/400A ATS (dual input) Full load > 0.99, Half load > 0.98
	Output power factor	1.0
	Cutput power lactor	30~125kVA:
Integrated UPS (UPS inside)	Rated capacity	IT Load ≤ 120 kW, power modules ≤ 4, the capacity of a single power module is 30kVA IT Load > 120 kW, power modules ≥5, the capacity of a single power module is derated to 25kVA
		180kVA:Supports a maximum of seven 30 kVA power modules in 6+1 redundancy mode
	Output	IT: 40A/1P×24×2; A/C: 40A or 63A/3P×8; lighting: 10A/1P×3
	Efficiency	≥ 96% (Linear Load)
	AC SPD	20kA, 8/20µs
	Input voltage	380/400/415VAC, 50/60Hz, 3Ph+N+PE
Integrated power distribution cabinet (UPS outside)	Input	IT: 160A/250A MCCB; A/C: 160A/250A MCCB (single/dual input)
	Rated input current	IT: 160A/250A, Air conditioner: 160A/250A
	Output	IT: 2×24×40A/1P; 2×24×63A/1P;2×8×40A/3P;A/C: 40A/3P×8 or 63A/3P×8 ; lighting: 10A/1P×3
	AC SPD	20kA, 8/20μs
Precision power distribution cabinet (UPS outside)	Input voltage	380/400/415VAC, 50/60Hz,3Ph+N+PE
	Input	160A/250A/400A/630A MCCB (single/dual input)
	Output	IT: 40A/1P,63A/1P,40A/3P,63A/3P, max 144 routes
Smarthusway	Input voltage	380/400/415VAC, 50/60Hz,3Ph+N+PE
Smart busway (UPS outside)	Input	250A/400A/630A MCCB (single input)
(1. 5 5 3.0140)	Output	IT: 40/1P, 63A/1P, 40A/3P, 63A/3P (6 branches in one Power Distribution Unit)
SmartLi ST	Single Lithium battery cabinet	Contains 16 battery modules. Two battery strings are connected in parallel, and each battery string contains eight battery modules connected in series.
	Number of Lithium battery cabinets	2N scenario: ≤ 6 battery cabinets; N+1 scenario: ≤ 3 battery cabinets
	Typical backup time	Recommended backup time: 10/15 minutes
SmartLi LT	Single Lithium battery cabinet	Fully configured with eight battery modules. A single cabinet can be configured with 5-8 battery modules.
	Number of Lithium battery cabinets	2N scenario: ≤ 6 battery cabinets; N+1 scenario: ≤ 3 battery cabinets
	Typical backup time	Recommended backup time: 30/60 minutes

*Optional Features Note: Intelligent mobility management is supported 050

Smart Modular DC

FusionModule2000-S Single Row

Smart modular DC

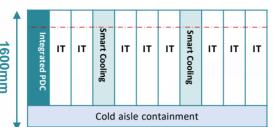
INTRODUCTION

FusionModule2000-S is a new generation smart modular data center solution, which dedicated to providing customers with simple, efficient, and reliable data center solutions.

FusionModule2000-S adopts a modular design and integrates power supply, temperature control, cabinet, aisle, cabling, and monitoring system in a single row of aisles, meeting the requirements for quick delivery and on-demand deployment.

In addition, FusionModule2000-S uses i3 to build intelligent core subsystems and introduces AI technologies to implement intelligent linkage control of power supply and cooling, and automatically manages equipment room assets, significantly improving data center reliability, availability, and O&M efficiency.





Typical layout of the HPC scenario

APPLICATION SCENARIOS

- High-density HPC supercomputing: 1600mm deep cold and hot aisle containment.
 Supports a maximum of 30 kW/R cabinet. A 900 mm deep server can be installed.
 It can be used in supercomputing applications in universities and research institutes.
- Simplified MDC: 1350 mm deep hot aisle containment, simplified design, aisle-free design, strong building adaptability, and applicable to most equipment rooms in harsh conditions such as small space and low floor height.

FEATURES & VALUE

Simple

- · All-in-one design, one-stop fast deployment, flexible expansion
- The minimum deployment height is only 2.3 m.
- The 1350 mm deep aisle can be contained in the hot aisle, and the 1600 mm deep aisle can be contained in the cold and hot aisle.

Hot aisle inside the cabinet Smart Cooling IT IT Battery Integrated UPS

Typical layout of the simplified MDC scenario

Green

- Integrated cooling, power supply, and monitoring, SmartLi Inside* supports Huawei smart lithium batteries deployed in the module.
 saving 50%+ footprint compared with traditional solution.
- · Cold and hot aisle containment ,high environment adaptability.
- Low PUE: 30% lower PUE compared with the traditional DC.

Smart

 Vertical intelligent partitioning, precisely matching the heat dissipation of the IT equipment. Intelligent follow-up of air volume and cooling capacity, stable running without hot spots.

Reliable

- · Support N+1 cooling system backup and 2N power backup, providing highly reliable power supply and cooling.
- · Cold and hot aisle containment, automatic door opening in emergency, ensuring emergency heat dissipation.

SPECIFICATIONS

Dimensions (L×W×H) Power supply Cabinets per module Cabinet and Aisle Cabinet and Aisle Cabinets per module Cabinets per module Question condition Urbs low temperature condition: 40°C to 40°C Need low temp let) To condition: 20°C to 40°C. Cable routing Maintenance space Installation mode Installat	Item		Specifications
Dimensions (LV.W.X.H.) Power supply Sign (V.W.X.H.) Power supply Sign (V.W.X.H.) Power supply Sign (V.W.X.H.) Power supply Sign (V.W.X.H.) Cabinet and Aisle Cabinets per module Queriation condition Operation condition Ultra low temperature condition -40°C to 45°C Need low-temp kit) Till condition -20°C to 45°C Need l			
Cabinet and Aisle Cabinet and Aisle Operation condition Operation condition Operation condition Cabinet and Aisle Operation condition Cabinet and Aisle Air-condition Cabinet and Aisle Cabinet and Aisle Cabinet and Aisle Air-condition Cooling capacity Dimensions(W×D×H) Dimensions(W×D×H) Dimensions(W×D×H) Power supply 3804/00/415VAC, 50/60Hz, 3Ph+N+PE Recommended circuit breaker Recommended circuit Air-conditioner Air-co	Cabinet and Aisle	$\hbox{Dimensions } (L{\times}W{\times}H)$	
Cabinet and Aisle Operation condition Cabinet routing Air-cooled in-row air conditions Air-cooled In-row air conditions Air-cooled In-row air conditioner Air-cooled outdoor In-row air conditioner A		Power supply	380/400/415VAC, 50/60Hz, 3Ph+N+PE
Cable routing Routed in/out through the top of cabinets		Cabinets per module	≤24 cabinets (Including power supply, cooling and battery cabinets)
Maintenance space 1350mm((front), ≥900mm(rear) Installation mode Installing on concrete floor or raised floor Cooling capacity 48kW		Operation condition	
Installation mode Cooling capacity Activation Cooling capacity Dimensions(W x D x H) Power supply 380/400/415VAC, 50/60Hz, 3Ph+N+PE Recommended circuit broader Air-cooled In-row bridge Conditioner Air cooled In-row bridge Conditioner Ac configuration Ac configuration Ac configuration Ac configuration Ac configuration Ac configuration Alir volume Length of water sensor Refrigerant Refloa Air-cooled outdoor unit®T1 working condition Condition Air-cooled outdoor unit®T1 working condition Air-cooled outdoor unit®T1 worki		Cable routing	Routed in/out through the top of cabinets
Cooling capacity Dimensions(W X X X H) Dimensions(W X X X H) Down's supply Recommended circuit threaker Air-cooled In-row air conditioner Air-cooled In-row air conditioner AC configuration AI volume Supports usel power supply in HPC scenarios. AC configuration AI volume Supports usel power supply in HPC scenarios. N+1 AI volume Supports usel power supply in HPC scenarios. AC configuration AI-cooled outdoor unit@T1 working condition AIr-cooled outdoor unit@T1 working condition AIr-cooled function AIr-cooled outdoor unit@T1 working condition AIr-cooled untdoor AI		Maintenance space	≥1350mm(front), ≥900mm(rear)
Dimensions(W × D × H) Power supply Recommended circuit breaker Air-cooled In-row air conditioner Ac configuration Air-cooled outdoor Refrigerant Refloa Power supply mode Supports UPS power supply in HPC scenarios. AC configuration N+1 Air-cooled outdoor Refrigerant Refloa Power supply Sab/4004159/AC, 50/60Hz, 3Ph+N+PE Sisndard 5 m (can be extended to 50 m) Refrigerant Refloa Power supply Sab/4004159/AC, 50/60Hz, 3Ph+N+PE Signal Sab/4004159/AC, 50/60Hz, 3Ph+N+PE Signal Refloa Signal Refloa Air-cooled outdoor unit@T1 working condition Air-cooled foutdoor unit@T1 working condition Air-cooled foutdoor unit@T1 working condition Air-cooled outdoor unit@T1 working condition Air-cooled outdoor unit@T1 working condition Air-cooled foutdoor unit@T1 working condition Air-cooled outdoor Air-cooled outdoor unit@T1 working condition Air-cooled outdoor Air-cooled foutdoor Air-cooled outdoor unit@T1 working condition Air-cooled outdoor Air-cooled ou		Installation mode	Installing on concrete floor or raised floor
Power supply Recommended circuit breaker Air-cooled In-row air conditioner AC configuration AIr volume Length dwater sensor Refrigerant Air-cooled outdoor unit@T1 working condition AIr volume Length of water sensor Refrigerant AIR volume AIR volume AIR volume Length of water sensor Refrigerant AIR volume AIR volume Length of water sensor Refrigerant AIR volume Length of water sensor Length of the pipe Dimension(W VD XH) 1326mm x 1034mm x 1107mm Net/gross weight (kg) 122/169 AIR volume Length of the pipe Dimension(W VD XH) Length of the pipe Dever supply mode Single/Dual Management system Power supply mode Single/Dual Mater teakage sensor Standard configuration Sincke sensor Sindard configuration Temperature sensor Mobile surveillance Supports intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Access control Integrated UPS Integrated opwer distribution cabinet Precision power distribution cabinet Precision power distribution cabinet Precision power distribution cabinet New main way Precision power distribution adainet AR acced capacity Signification ACCES (single input): 250A/400A ATCS (single input) Output Tir. 40A/1P, 242 x 2, 8A/1P x 24 x 2, 40A/3P x 8 x 2,A/C; 63A/3P x 8 or 40A/3P x 8 ; lighting: 10A/1P, 243 x 2, 6A/1P, 244 x 2, 6A/1P, 2		Cooling capacity	46kW
Recommended circuit breaker G3A/3P Supports dual power supplies, Supports UPS power supply in HPC scenarios.		$Dimensions(W \! \times \! D \! \times \! H)$	600mm×1350mm×2000mm
Air-cooled In-row air		* * *	380/400/415VAC, 50/60Hz, 3Ph+N+PE
Conditioner AC configuration AC configuration AI volume JODOm*/h@46kW Length of water sensor Refrigerant R410A Power supply JS6mm×1094mm×1107mm Net/gross weight (kg) Length of water sensor Refrigerant Air-cooled outdoor unit@T1 working condition Air volume JC000m³ Air volume Length of the pipe Length of the pipe Length of the pipe U-100m (let ween indoor and outdoor unit, the value is negative.) Length of the pipe Power supply mode Water leakage sensor Standard configuration Smoke sensor Standard configuration Temperature sensor Mobile surveillance Integrated UPS Integrated UPS Integrated Open Integrated power distribution cabinet New main way New main way Power supply mode Supports limiting and provided an			63A/3P
Air volume Length of water sensor Refrigerant Refriger		Power supply mode	
Length of water sensor Refrigerant R410A Power supply 380/400/415VAC, 50/60Hz, 3Ph+N+PE Dimension(W × D × H) Net/gross weight (kg) 122/169 Air volume height deviation Length of the pipe 0-100m (between indoor and outdoor unit) Management system Honitoring/management system Power supply mode Water leakage sensor Standard configuration Smoke sensor Standard configuration Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Mobile surveillance Supports intelligent mobility management Bated capacity Integrated UPS Integrated power distribution cabinet Rated capacity Precision power distribution cabinet Rated capacity New main way Input Rated capacity Rat		AC configuration	N+1
Refrigerant R410A Power supply 380/400/415VAC, 50/60Hz, 3Ph+N+PE Dimension(W x D x H) 1356mm x 1094mm x 1107mm Net/gross weight (kg) 122/169 Air volume 12000m³ Air volume 12000m³ Air volume 4-8-30m (if the outdoor unit is lower than the indoor unit, the value is negative.) Length of the pipe 0-100m (between indoor and outdoor unit) Management system ECC800-Pro Power supply mode Single/Dual Water leakage sensor Standard configuration Smoke sensor Standard configuration Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Rated capacity 60kW/125kW Input 250/400A MCCB (single input); 250A/400A ATS (dual input) Output IT: 2×2×4×40A/1P, A/C; 8×40A/3P or 8×63A/3P, Lighting; 3×10A/1P Rated capacity 95kW/145kW Input IT: 400A/1P, A/C; 8×40A/3P or 8×63A/3P, Lighting; 3×10A/1P Rated capacity 95/148/235/310kW Input 160/250A MCCB; A/C: 160/250A MCCB (single/dual input) Output 17: 40A/1P × 24×2; 40A/3P × 8×2;A/C; 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity 95/148/235/310kW Input 160/250/400A MCCB (single/dual input), 630A MCCB (single Input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack New main way Input 250A/400A/630A MCCB Selke/Wa15VAC, 236kW@380VAC @ 630A MCCB Selke/Wa15VAC, 236kW@380VAC @ 630A MCCB		Air volume	9000m³/h@46kW
Power supply Dimension(W × D × H) Divention of the pipe Dimension(W × D × H) Divention of the pipe Dimension(W × D × H) Divent House Holdson on the index of the pipe of the value is negative.) Divent House Holdson on the index of the pipe of the value in pipe of the value is negative.) Divent House Holdson on the pipe of the pipe of the value in pipe of the value is negative.) Divent House Holdson on the value is negative.) Divent House Holdson on the value is negative.) Divent House Holdson on the index of the pipe of the value is negative.) Divent House Holdson on the index of the pipe of the value is negative.) Divent House Holdson on the index of the pipe of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Divent House Holdson on the index of the value is negative.) Dive		Length of water sensor	Standard 5 m (can be extended to 50 m)
Dimension(W×D×H) 1356mm×1094mm×1107mm Air-cooled outdoor unit@T1 working condition Air volume 12000m³		Refrigerant	R410A
Air-cooled outdoor unit@T1 working condition Air volume		Power supply	380/400/415VAC, 50/60Hz, 3Ph+N+PE
unit@T1 working condition Air volume 12000m³ height deviation -8-30m (If the outdoor unit is lower than the indoor unit, the value is negative.) Length of the pipe 0-100m (between indoor and outdoor unit) Management system ECC800-Pro Power supply mode Single/Dual Water leakage sensor Standard configuration Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Rated capacity Input 250/400A MCCB (single input); 250A/400A ATS (dual input) Output IT: 2×24×40A/1P, A/C; 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity 95kW/145kW Input IT: 60/250A MCCB; A/C: 160/250A MCCB (single/dual input) Output IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity 95/148/235/310kW Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack 161kW@415VAC, 236kW@380VAC @ 250A MCCB Rated capacity 250kW@415VAC, 236kW@380VAC @ 400A MCCB Input 250A/400A/6S0A MCCB Input 250A/400A/GS0A MCCB Input 250A/400A/GS0A MCCB		$Dimension(W\!\times\!D\!\times\!H)$	1356mm×1094mm×1107mm
An oldition An oldition A		Net/gross weight (kg)	122/169
Length of the pipe Description Description Description	_	Air volume	12000m³
Monitoring/manage ment system Power supply mode Single/Dual Water leakage sensor Standard configuration Smoke sensor Access control Temperature sensor Mobile surveillance Integrated UPS Integrated power distribution cabinet Precision power distribution cabinet New main way Management system Management system Power supply mode Single/Dual Single/Dual Single/Dual Single/Dual Standard configuration Standard c		height deviation	-8~30m (If the outdoor unit is lower than the indoor unit, the value is negative.)
Monitoring/manage ment system Monitoring/manage ment system Monitoring/manage ment system Monitoring/manage ment system Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Rated capacity Input Dutput Integrated UPS Integrated power distribution cabinet Precision power distribution cabinet New main way Power supply mode Single/Dual Water leakage sensor Standard configuration Acces scantrol Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent mobility management 60kW/125kW Input 2504/400A MCCB (single input); 2504/400A ATS (dual input) IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack 161kW@415vAC, 236kW@380VAC @ 250A MCCB 258kW@415vAC, 236kW@380VAC @ 400A MCCB 339kW@415vAC, 310kW@380VAC @ 630A MCCB 16put 250A/400A/630A MCCB		Length of the pipe	0~100m (between indoor and outdoor unit)
Monitoring/manage ment system Monitoring/manage ment system Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Mobile surveillance Rated capacity Integrated UPS Integrated power distribution cabinet Precision power distribution cabinet Precision power distribution cabinet New main way Water leakage sensor Standard configuration Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent mobility management Supports intelligent mobility management Supports intelligent mobility management Supports intelligent mobility panagement Suports 1 PCS for each air conditioner, Cabinet level temperature map is optional. Suports 1 PCS for each air conditioner, Cabinet level temperature map is optional. Suports 1 PCS for each air conditioner, C		Management system	ECC800-Pro
Monitoring/manage ment system Smoke sensor Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Mobile surveillance Rated capacity Input Output Integrated power distribution cabinet Precision power distribution cabinet New main way Smoke sensor Standard configuration Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent mobility management 60kW/125kW Input 250/400A MCCB (single input); 250A/400A ATS (dual input) Output IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity Input IT: 160/250A MCCB; A/C: 160/250A MCCB (single/dual input) Output IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack 161kW@415VAC, 148kW@380VAC @ 250A MCCB 258kW@415VAC, 236kW@380VAC @ 400A MCCB 339kW@415VAC, 310kW@380VAC @ 630A MCCB Input 250A/400A/630A MCCB		Power supply mode	Single/Dual
Standard configuration Access control Intelligent electronic lock, fire extinguishing linkage, and automatic spring door Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Rated capacity 60kW/125kW Input 250/400A MCCB (single input); 250A/400A ATS (dual input) Output IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity 95kW/145kW Input IT: 160/250A MCCB; A/C: 160/250A MCCB (single/dual input) IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2; A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity 95/148/235/310kW Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack 161kW@415VAC, 148kW@380VAC @ 250A MCCB Rated capacity 158kW@415VAC, 236kW@380VAC @ 400A MCCB 339kW@415VAC, 310kW@380VAC @ 630A MCCB 161kW@415VAC, 310kW@415VAC, 310kW@415VA	Manitaring/managa	Water leakage sensor	Standard configuration
Access control Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Mobile surveillance Supports intelligent mobility management Rated capacity 60kW/125kW Integrated UPS Input 250/400A MCCB (single input); 250A/400A ATS (dual input) Output IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity Input Integrated power distribution cabinet Precision power distribution cabinet Precision power distribution cabinet New main way Input Input Access control Temperature sensor Configure 1 PCS for each air conditioner, Cabinet-level temperature map is optional. Supports intelligent mobility management Coliforation intelligent mobility management Supports intelligent each conditioner, Cabinet-level temperature map is optional. Supports intelligent each inconditioner, Cabinet-level temperature map is optional. Supports intelligent each conditioner, Cabinet-level temperature map is optional. Supports intelligent each conditioner, Cabinet-level temperature map is optional. Supports intelligent each conditioner, Cabinet-level temperature map is optional. Supports intelligent each conditioner, Cabinet-level temperature map is optional. Supports intelligent enconditioner, Cabinet-level temperature map is optional. Input Supports intelligent each conditioner, Cabinet level temperature map is optional. Input Supports intelligent each conditioner, Cabinet level temperature map is optional. Input Supports intelligent each conditioner, Cabinet level temperature map is optional. Input Supports intelligent each conditioner, Cabinet level temperature map is optional. Input Supports intelligent each conditioner, Cabinet level each air conditioner. IT: 40A/1P, A/C: 48A/40A/3P of 8×40A/3P of 8×63A/3P, Lighting: 3×10A/1P IT: 40A/1P × 24×2; 40A/1P, A/C: 8×40A/3P of 8×63A/3P, Lighting: 3×10A/1P IT: 40A/1P × 24×2; 40A/1P, A/C: 8×40A/3P of 8×63A/3P, average of 8×63	•	Smoke sensor	Standard configuration
Mobile surveillance Supports intelligent mobility management	,	Access control	Intelligent electronic lock, fire extinguishing linkage, and automatic spring door
Rated capacity 60kW/125kW		Temperature sensor	, , , , ,
Integrated UPS		Mobile surveillance	Supports intelligent mobility management
Output IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P Rated capacity 95kW/145kW Input IT: 160/250A MCCB; A/C: 160/250A MCCB (single/dual input) Output IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3 Rated capacity 95/148/235/310kW Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack New main way Input 250A/400A/630A MCCB Rated capacity 250A/400A/630A MCCB Input 250A/400A/630A MCCB		Rated capacity	60kW/125kW
Integrated power distribution cabinet	Integrated UPS	Input	250/400A MCCB (single input); 250A/400A ATS (dual input)
Input IT: 160/250A MCCB; A/C: 160/250A MCCB (single/dual input)		Output	IT: 2×24×40A/1P, A/C: 8×40A/3P or 8×63A/3P, Lighting: 3×10A/1P
Dutput IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8; lighting: 10A/1P×3		Rated capacity	95kW/145kW
Output IT: 40A/1P×24×2; 63A/1P×24×2; 40A/3P×8×2;A/C: 63A/3P×8 or 40A/3P×8 ; lighting: 10A/1P×3 Rated capacity 95/148/235/310kW Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input) Output 40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack 161kW@415VAC, 148kW@380VAC @ 250A MCCB Rated capacity 258kW@415VAC, 236kW@380VAC @ 400A MCCB 339kW@415VAC, 310kW@380VAC @ 630A MCCB		Input	IT: 160/250A MCCB; A/C: 160/250A MCCB (single/dual input)
Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input)	distribution cabinet	·	10A/1P×3
Input 160/250/400A MCCB (single/dual input), 630A MCCB (single input)	Precision nower	Rated capacity	95/148/235/310kW
161kW@415VAC, 148kW@380VAC @ 250A MCCB 258kW@415VAC, 236kW@380VAC @ 400A MCCB 339kW@415VAC, 310kW@380VAC @ 630A MCCB Input 250A/400A/630A MCCB	•	Input	
Rated capacity 258kW@415VAC, 236kW@380VAC @ 400A MCCB 339kW@415VAC, 310kW@380VAC @ 630A MCCB Input 250A/400A/630A MCCB		Output	40A/1P, 63A/1P, 40A/3P, 63A/3P, max 144 routes per rack
·	New main way	Rated capacity	258kW@415VAC, 236kW@380VAC@ 400A MCCB
Output 40A,63A/1P x6 or 63A,40A/3P x 2		Input	250A/400A/630A MCCB
		Output	40A,63A/1P x6 or 63A,40A/3P x 2

*Optional Features