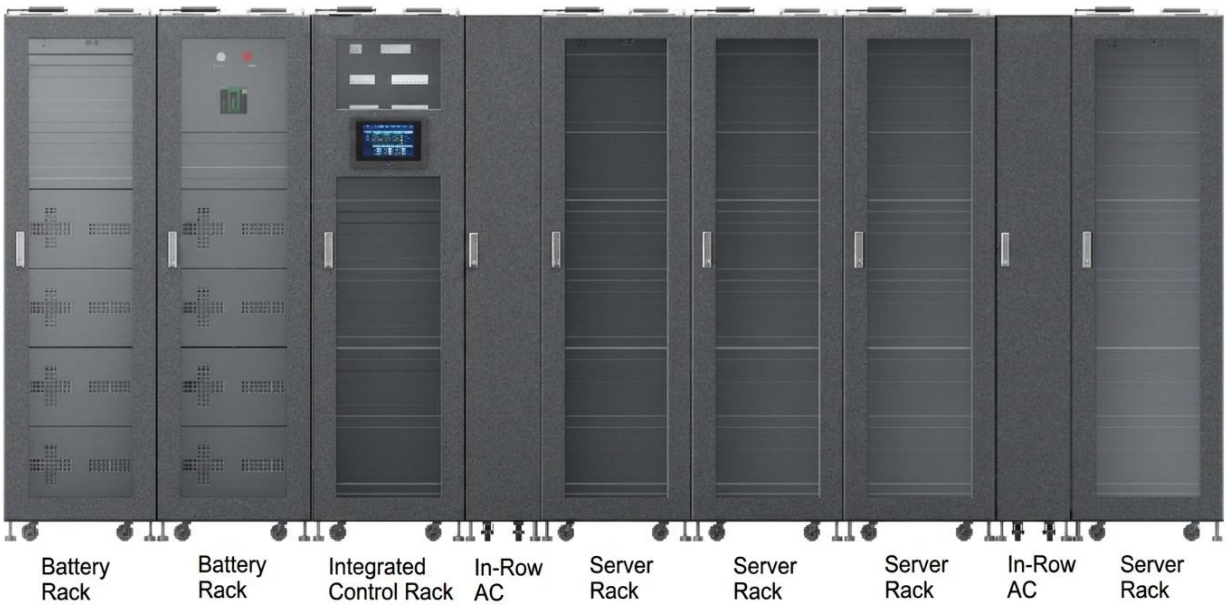
Maipu MyPowerPod/Row Series Modular Data Center Datasheet

Overview

As digital transformation accelerates across industries, emerging technologies including Artificial Intelligence (AI), Internet of Things (IoT), 5G communications, and Industry 4.0 are fundamentally reshaping societal operations, driving unprecedented demands for enhanced data processing capabilities and ultra-low latency response times. In this context, traditional centralized computing architectures are increasingly migrating toward distributed edge deployments, elevating edge-side infrastructure to a critical role as the foundational enabler for real-time application deployment.

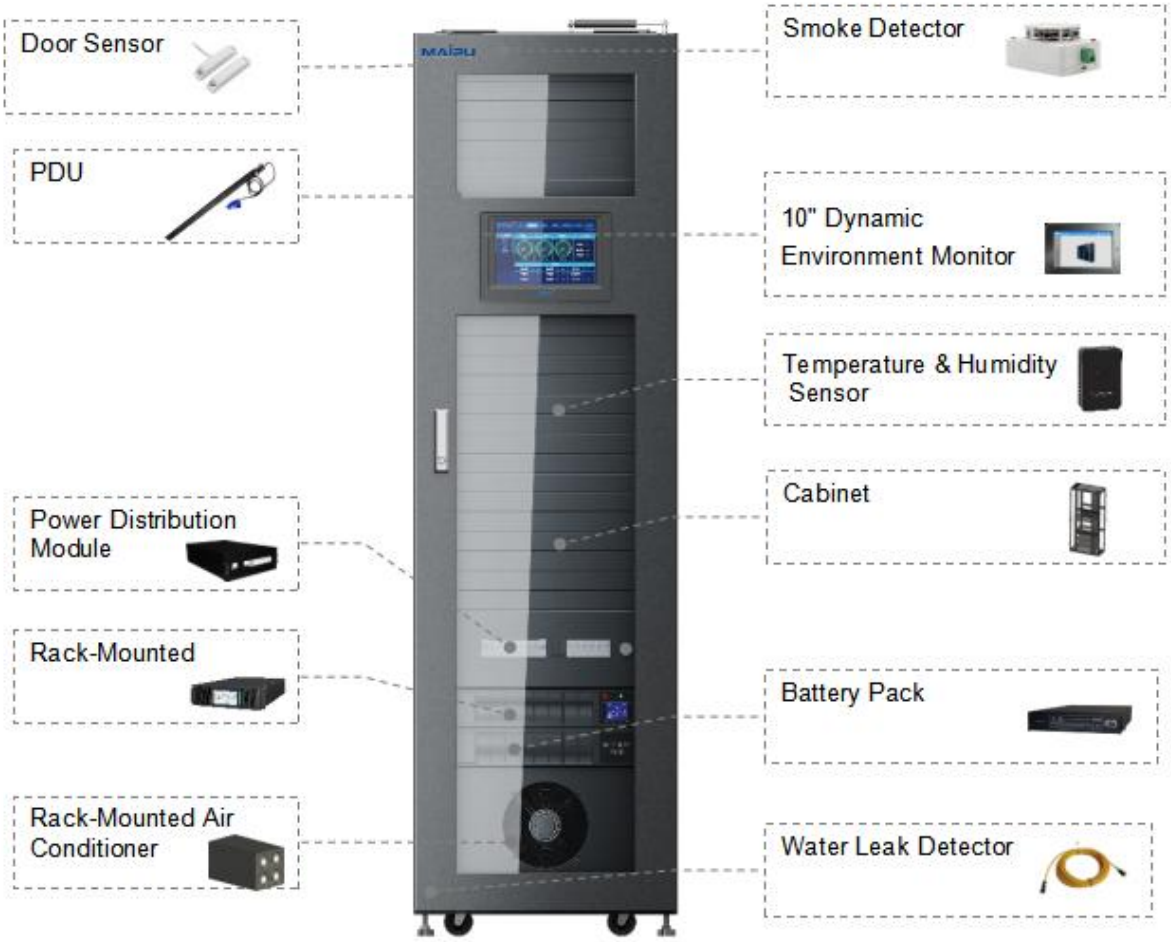
Responding to this market evolution, Maipu introduces the MyPower Series Modular Data Center solution. Designed with a fully enclosed cabinet architecture, this solution seamlessly integrates power distribution, precision cooling, and environmental monitoring subsystems into a standardized, pre-engineered system. It delivers a turnkey infrastructure approach for edge site deployments, small-to-medium data center facilities, and legacy data center modernization projects — ensuring uninterrupted power supply and stable thermal management in demanding edge environments.



MyPowerRow Series

Key Features

- **Turnkey Delivery:** Factory-pre integrated smart cabinet supports one-click ordering, eliminating complex multi-vendor procurement for immediate usability.
- **Rapid Deployment:** All-in-one indoor cooling design requires no outdoor units; prefabricated factory output significantly reduces on-site construction and installation effort.
- **Intelligent O&M:** Standard DCIM supports local/remote monitoring and upper-level platform integration; long-life LiFePO4 batteries and one-stop after-sales service ensure hassle-free operations.
- **Seamless Compatibility:** Standard cabinet design accommodates mainstream rack-mounted equipment; monitoring system seamlessly integrates with provincial management platforms for barrier-free communication.
- **Scalable Growth:** Ample reserved space within the cabinet; standard models provide at least 15U of available space to flexibly meet future business expansion needs.
- **Comprehensive Security:** Fully sealed design prevents dust and corrosion; factory-validated testing ensures reliability. Real-time DCIM alerts combined with anti-theft cabinet structure and 24/7 video surveillance protect assets.



MyPowerPod Series

Technical Specifications

Product Model	MyPowerPod (Single Cabinet)	MyPowerRow (Double Cabinets)
Cabinet		
Cabinet Size (W*D*H)	600mm*1200mm*2000mm	2*600mm*1200mm*2000mm
Number of Cabinets	1	2
Material	High-strength A-grade premium carbon cold-rolled steel sheet	
Air Duct	Fully enclosed hot and cold aisle (front cold aisle, rear hot aisle, with hot/cold aisle isolation)	
Max. Available Space	23U (For reference, depend on actual configuration)	65U(23U+42U) (For reference, depend on actual configuration)
Door Opening Method	Single front door; rear single folding swing-out door	
Power (This is a typical configuration and can be adjusted according to specific power consumption)		
System Input Power (Customizable)	Single-phase 220/230/240VAC 50/60Hz	Single-phase 220/230/240VAC 50/60Hz
Power Distribution (Customizable)	63A input. Integrates UPS, air conditioning, and IT power distribution.	125A input. Integrates UPS, air conditioning, and IT power distribution.
UPS Capacity (Customizable)	6kVA (Default)	10kVA (Default)
UPS Qty (Customizable)	1 (Default)	1 (Default)
	UPS supports configuration of 2 units for parallel operation or 1:1 redundancy. Please contact sales to discuss specific requirements.	
UPS Backup Time (Customizable)	15~60mins @2.4kVA Load (Reference)	15~60mins @4.8kVA Load (Reference)
	Supports extended backup time, such as 15min, 30 min, 1 hour, 2hours or even over 2 hours, by selecting from various backup battery options. Please confirm your specific backup requirements with sales.	
UPS Output P.F	1	1
PDU	2*Basic PDU (12*10A)	4*Basic PDU (12*10A)
Refrigeration (This is a typical configuration and can be adjusted according to specific power consumption)		
Cooling Capacity	7.5kW	12.5kW
Electrical Specification (Customizable)	220V-50Hz-1F+N+PE (Default)	
Cooling Type	DX	DX
Refrigerant	R410A	R410A
Compressor Type	Inverter	Inverter
Condenser	Split	Split
In-Rack AC Dimension (W*D*H)	Indoor: 442mm*800mm*442mm Outdoor: 1100mm*430mm*962mm	Indoor: 442mm*800mm*442mm Outdoor: 1200mm*430mm*962mm
Monitoring		
Temperature and Humidity Sensor	Yes	Yes

Smoke Detector	Yes	Yes
Water Immersion Sensor	Yes	Yes
Leak Detection Strip Line (5 meters)	Yes	Yes
Sound and Light alarm	Yes	Yes
Ambient Light	Yes	Yes
Fire Suppression Unit	Optional	Optional
Video Surveillance	Optional	Optional
Product Model	**MyPowerRow (2-N Cabinets)**	
Cabinet		
IT Cabinet Size (W*D*H)	600mm*1200mm*2000mm	
Number of IT Cabinets	2 to N	
Material	High-strength A-grade premium carbon cold-rolled steel sheet	
Air Duct	Fully enclosed hot and cold aisle (Left, right, or left and right air supply)	
Max. Available Space	33U+(N-1)*42U (For reference, depend on actual configuration)	
Door Opening Method	Single front door; rear single folding swing-out door	
Protection Rating	IP5X	
Power (This is a typical configuration and can be adjusted according to specific power consumption)		
System Input Power (Customizable)	Three-phase 380/400/415VAC 50/60Hz	
Power Distribution (Customizable)	Integrates UPS, air conditioning, and IT power distribution.	
UPS Qty (Customizable)	1	
	UPS supports configuration of 2 units for parallel operation or 1:1 redundancy. Please contact sales to discuss specific requirements.	
UPS Backup Time (Customizable)	**Supports extended backup time, such as 15min, 30 min, 1 hour, 2hours or even over 2 hours, by selecting from various backup battery options. Please confirm your specific backup requirements with sales.**	
Battery Type (Customizable)	External Battery Rack/Battery Cabinet/Battery Pack	
UPS Output P.F	1	
PDU	2N*Basic PDU (12*10A)	
Refrigeration (This is a typical configuration and can be adjusted according to specific power consumption)		
Cooling Capacity / In-Row AC	7.5kW	12.5kW
Electrical Specification (Customizable)	220V-50Hz-1F+N+PE (Default)	
Cooling Type	DX	
Refrigerant	R410A	
Compressor Type	Inverter	
Condenser	Split	
In-Row AC Dimension (W*D*H)	Indoor: 300mm*1200mm*2000mm Outdoor: 920mm*410mm*702mm	Indoor: 300mm*1200mm*2000mm Outdoor: 968mm*480mm*898mm

Monitoring	
Temperature and Humidity Sensor	Yes
Smoke Detector	Yes
Water Immersion Sensor	Yes
Leak Detection Strip Line (5 meters)	Yes
Sound and Light alarm	Yes
Ambient Light	Yes
Fire Suppression Unit	Optional
Video Surveillance	Optional

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