

FusionModule800

Small modular DC

INTRODUCTION

FusionModule800 is a new-generation small modular data center solution. Which integrates power distribution, UPS, monitoring, cooling, cabinet, and fire extinguishing systems (optional) in one cabinet, it can greatly reduce data center footprint. The core components of the FusionModule800 are preinstalled and precommissioned before delivery, enabling rapid deployment of the data center. In addition, with Huawei's edge data center management system, it can realize unified management of multiple sites and significantly improve the O&M efficiency.

APPLICATION SCENARIOS

- Finance, Education, Healthcare, Public Security, SMEs, Retailing & Merchandising, Edge DC, etc.

FEATURES & VALUE

Simple

- All components are prefabricated in factories. only need to be combined onsite, hardware are installed in 4 hours, 2 days business online
- Fire fighting module inside*, no need reconstruction
- Real-time monitoring of mobile apps, centralized monitoring of multiple sites*

Green

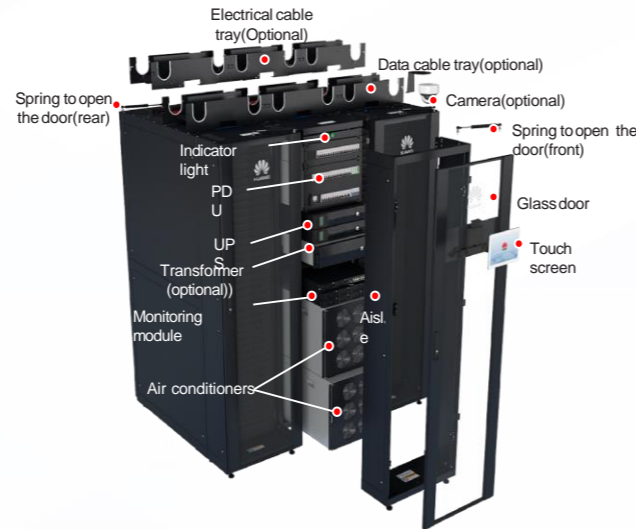
- High integrated design + lithium battery, saving 2 to 3 cabinets footprint.
- Cold and hot aisle containment, saving energy and reducing noise.

Smart

- Facial recognition, password-free login, and key-free door opening
- Intelligent O&M, unified management of multiple data centers*
- Smart meter inside, supporting power statistics and PUE display*

Reliable

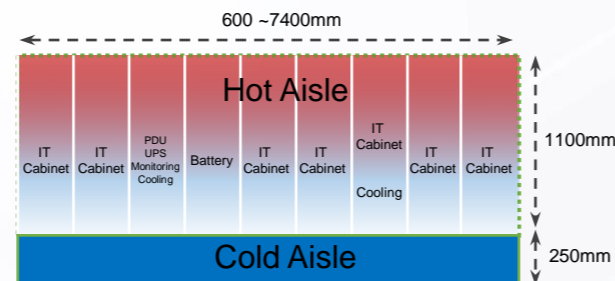
- Reliable dehumidification at low load to avoid condensation in the data center
- Highly stable LFP battery cell, no fire risk and more reliable
- Automatic door opening prevents overheating



FusionModule800 Architecture



FusionModule800 Site



* : Optional

SPECIFICATIONS

Item	Description	Specification	
Overall parameters	Power system	380/400/415VAC, 50Hz, 3Ph+N+PE	
	Aisle containment	Cold and hot aisle containment	
	System protection level	IP20	
	Ambient temperature	T1: -20°C~+45°C;	
	Maximum cabinet quantity	15	
	Quantity of IT cabinets	0~12	
	Maximum IT load	40kW	
	Max power density /Rack	7kW	
	IT cabinet weight	Static load 2400kg, dynamic load 1000kg	
	Total Dimensions	2000×(600-9200)×1350mm (H×W×D)	
Cooling system	Cooling capacity	12.5kW*	
	Configuration	N, N+1	
	Cooling mode	Direct expansion air-cooled	
	Installation	Rack- mounted	
	Air volume	2600m³/h	
	Air supply mode	Front supply, rear return	
Power system	Input power	Single inputs	
	UPS capacity	10kVA	20kVA
	UPS configuration	N, N+1, 2N	N, N+1, 2N
	UPS input voltage range	80~280VAC, 40-70Hz, 1Ph+N+PE	138~485Vac, 40-70Hz, 3Ph+N+PE
	UPS output power factor	1	0.9
	UPS efficiency	Up to 96%	Up to 95%
	Battery type	Lithium battery, Lead-acid battery	
	Backup time	15min~240min	
	SPD	CLASSII/C, In 20kA, I _{max} 40kA, 8/20us	
	Maintenance bypass	Standard	
	rPDU (optional)	No-Intelligent rPDU: IEC or GB, on site installation Intelligent rPDU: IEC, on site installation	
Fire Extinguishing module	Installation	Rack- mounted	
	Startup Mode	Smoke and temperature sensor dual-channel interlock start	
	Gas type and capacity	Perfluorohexanone, 6.25KG	
	Dimensions	265×442×690mm (H×W×D)	
Monitoring system	Function	Remote web page access and unified management of multiple branches	
	Local monitoring	10-inch tablet screen, supporting facial recognition login and keyless door opening	
	Standard functions	Input power meter, Smoke sensor, T&H sensor, intelligent lock, 10-inch PAD, SMS/email alarm, and local app O&M	
	Optional functions	Fire extinguishing module, video surveillance, water leakage sensor, and mobile O&M, PUE display	
Mobile surveillance	Supports intelligent mobility management		