

FusionPower6000-G PowerPOD 3.0 Solution

Introduction

The PowerPod integrates the full-power link between main input panel and the load feeder, it provides power supply and distribution solution for large-scale data centers. The integrated high-density components to reduce the footprint of the power system. Prefabrication, reduce engineering, reduce the delivery complexity and shorten the deployment duration. The iPower intelligent feature implements visualized management and predictive maintenance of the entire chain, ensuring system security.

Scenarios

- Indoor power supply and distribution system of the data center in traditional building.



FusionPower6000-G 3.0 for IT-2.5MVA(Indoor)

Features & Value

Simple

- Prefabricated in factory, TTM reduces 75%+
- Modular component, hot swappable, easy maintenance

Green

- Full-link convergence, Footprint reduces 30%+
- Power link efficiency is up to 96.1% (98.4% Smart Online Mode)

Smart·Reliable

- Visualized system, easy-to-manage
- 150+ NTC, temperature monitoring in real time
- Key components life prediction
- On-line switch setting

Specifications

Scenario		FusionPower6000 for IT only (Indoor)		FusionPower6000 for IT & Mechanical(Indoor)	
Capacity		2.5MVA	2.0MVA	2.5MVA	2.0MVA
Power supply and distribution	Power input	3Ph+N+PE, 380 V AC/400 V AC/415 V AC, 50 Hz/60 Hz			
	Power output	3Ph+N+PE, 380 V AC/400 V AC/415 V AC, 50 Hz/60 Hz			
	Main input layout direction	left-in and right-out layout or right-in and left-out layout			
	Generator input	5000A/4P	/	/	/
	Main input	5000A/4P	4000A/4P	5000A/4P	4000A/4P
	Main power Feeder for Mechanical			Flexible combination of ACBs and MCCBs 63A-4000A for optional	
	UPS for Mechanical	/	/	UPS5000-H-500kVA *1PCS	UPS5000-H-500kVA *1PCS
	Maintenance bypass/output of UPS for Mechanical	/	/	1000A/4P*2 PCS	1000A/4P*2 PCS
	Feeder for Mechanical	/	/	Flexible combination of ACBs and MCCBs 63A-1000A for optional	
	UPS for IT	UPS5000-H-600kVA*4PCS	UPS5000-H-600kVA *3PCS	UPS5000-H-500kVA *4PCS	UPS5000-H-500kVA *3PCS
	Load test	4000A/4P	3200A/4P	4000A/4P	3200A/4P
	IT Maintenance bypass /Main output	4000A/4P *2PCS	3200A/4P *2PCS	4000A/4P *2PCS	3200A/4P *2PCS
	UPS Feeder for IT	Flexible combination of ACBs and MCCBs 63A-4000A for optional			
	Monitoring	Power monitoring system	ECC for centralized management		
Structure	External dimensions (H x W x D) (Without SVG & Transformer)	2600×10000×1000	2600×7000×1000	2600×12600×1000	2600×12000×1000
	Installation mode	<ul style="list-style-type: none"> •Directly install on the ground •Assemble and install on the base onsite(Provided by the customer) 			
Environmental requirements	Operating temperature	0~+40°C, the average temperature in 24 hours does not exceed 35°C			
	Storage temperature	-40~+70°C			
	Ambient humidity	≤ 95% RH (non-condensing)			
	Application environment	Class A environment			
	Altitude	0-4000 m. When the altitude is greater than 1000 m, the power is derated according to the industry standard.			