

FusionPower5000-S Series

(1200kVA)

Introduction

FusionPower5000-S series is an advanced power supply solution integrate modular UPS, input PDU and output PDU. The system adopts UPS5000-S which achieves high efficiency, the module efficiency up to 97.5% and system efficiency up to 97%. With this integrated solution can save more space for customers, Its high efficiency, high availability match the requirements of data center perfectly.

Scenarios

- Data centers in headquarter or disaster recovery data centers
- Internet data centers
- Large cloud computing data centers

Features

Reliable

- 138-485Vac ultra-wide input voltage range, suitable for the worst power grid
- Redundant design for modules, elimination of the single point of failure
- iPower pre-warnings for key components in case of power supply interruption

Efficient

- High module efficiency up to 97.5% and system efficiency up to 96.5%-97% at most frequently-used load rate
- Integrated power solutions saves 40% footprint, saving, more IT rack space
- Installation labor hours reduced by 60%

Simple

- Hot swappable power module, bypass module and control module, simple maintenance and expansion in 5 minutes
- iPower real time monitoring system for UPS, PDU and batteries, elimination of manual routing inspection



Power Module: 55kVA/3U & 97.5% efficiency



FusionPower5000-S 1200kVA

Specifications

Model		FusionPower5000-S-1200kVA
Mains Input	Input Wiring	3Ph+N+PE
	Rated Voltage	380/400/415Vac
	Voltage Range	138-485Vac (305-485Vac for 100% load; 138-305Vac for 40%-100% load)
	Frequency Range	40-70Hz
	Total Harmonic Distortion	THDi<3% for 100% linear load
	Input Power Factor	0.99
Bypass Input	Input Wiring	3Ph+N+PE
	Rated Voltage	380/400/415Vac
	Input Frequency	50/60±6Hz
Battery	Rated Voltage	360-600Vdc (The number of batteries can be selected from 30 to 50; 40 batteries in default)
Output	Output Wiring	3Ph+N+PE
	Voltage	380/400/415Vac±1%
	Frequency	Tracking the bypass input (Normal mode); 50/60Hz±0.1% (Battery mode)
	Waveform	Sine wave (THDv<1% for linear load)
	Overload Capacity	Inverter: 110% overload for 60 minutes; 125% overload for 10 minutes
System	Output Power Factor	1
	Efficiency	Up to 97%
Environment	Operating Temperature	0-40°C
	Storage Temperature	-40 to 70°C
	Relative Humidity	0%-95% (No condensing)
	Operating Altitude	0-1000m. Above 1000m, derating rate based on EN/IEC 62040-3
Others	Height×Width×Depth(mm)	2200*2800*1000
	Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc.
	Communications	Dry contacts, RS485, SNMP

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