

FusionPower Series

(UPS5000-S-1200kVA-FP)

Introduction

UPS5000-S-1200kVA-FP which belongs to FusionPower series solution 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 is up to 97.5% and system efficiency is up to 97%. This integrated solution can save more space for customers and 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 is up to 97.5% and system efficiency is up to 96.5%-97% at most frequently-used load rate
- Integrated power solution saves 40% footprint
- 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



UPS5000-S-1200kVA-FP

Specifications

Model		UPS5000-S-1200kVA-FP
Mains Input	Input Wiring	3Ph+N+PE
	Rated Voltage	380/400/415Vac
	Voltage Range	138-485Vac (305-485Vac for 100% load; 138-305Vac for 35%-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

Copyright © Huawei Technologies Co., Ltd. 2018. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademark Notice



HUAWEI, and  are trademarks or registered trademarks of Huawei Technologies Co., Ltd.

Other trademarks, product, service and company names mentioned are the property of their respective owners.

General Disclaimer

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808
Version No.: M3-040174-20170224-E-4.0

www.huawei.com