UPS5000-E Series
(25-125kVA)

Introduction

Based on the online double conversion technology, UPS5000-E series (25-125KVA) can provide reliable, pure and uninterrupted power for critical ICT equipment. The modularized architecture helps improve the availability and reduce the engineering cost significantly.

25kVA Power Module

Scenarios

- Small & medium data center, large enterprise regional datacenter
- Central offices, dispatch center, control center, etc

UPS5000-E-125K-F125

Features

Modular Design

- Modularized design, expanding as required: all of power modules, bypass module and energy control module support hot swap

High Reliability

- Dual-controller design, eliminating the single point of failure
- 138-485 Vac wide input voltage range to minimize battery use

Improved Efficiency

- High efficiency of up to 95.5% helps reduce power consumption and operating expense

High Availability

- Better load adaptability: high output power factor up to 1 and no derating for capacitive or inductive devices with a PF>0.5
- Flexible battery configuration: 30-40 batteries per string allow customers to get the faulty battery out instead of replacing it

Ease of Networking and Management

- Provides RS485, SNMP, dry contact interface in standard configuration to make networking and management much easier

Specifications

Model		UPS5000-E-125K-F125				
Rated Capacity (kVA/kW)		25 kVA/kW	50 kVA/kW	75 kVA/kW	100 kVA/kW	125 kVA/kW
Number of Power Modules		1	2	3	4	5
Mains Input	Input Wiring	3Ph+N+PE				
	Rated Voltage	380/400/415 Vac				
	Voltage Range	138-485 Vac				
	Input Frequency	40-70 Hz				
	Total Harmonic Distortion	THDi<3% for 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	360-480 Vdc (The number of batteries can be selected from 30 to 40; 32 batteries in default)				
Output	Output Wiring	3Ph+N+PE				
	Voltage	380/400/415Vac ± 1%				
	Frequency	Tracking the bypass input (Online mode); 50/60 Hz±0.1% (Battery mode)				
	Waveform	Sine wave (THDv<1% for linear load)				
	Output Power Factor	1				
	Overload Capacity	Inverter: 110% overload for 60 minutes; 125% overload for 10 minutes; 150% overload for 1 minute Bypass: 135% overload for long term; >1000% overload for 100 ms				
	Efficiency	95.5%				
Enviro-nment	Operating Temperature	0-40℃				
	Storage Temperature	-40-70℃				
	Relative Humidity	0%-95% (No condensing)				
	Operating Altitude	1000 m. Above 1000 m, derating 1% for each additional 100 m				
Others	Height×Width×Depth (mm)	2000 × 600 × 850				
	Weight	227 kg	260 kg	293 kg	326 kg	359 kg
	Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc.				
	Communications	Dry contacts, RS485, SNMP				