UPS5000-E Series

(25-75kVA Battery Integrated)

Introduction

UPS5000-E Battery Integrated Solution features the double-conversion online and modular design with pre-integrated battery module, fast on-site deployment & installation, intelligent management, unattended operation and simple O&M, thus providing customers with reliable, efficient and simple modular UPSs.

Power Module: 25kVA/2U

Scenarios

- Small-to-medium sized data centers
- Telecom and Internet switch computer rooms of small-to-medium sized enterprises
- Area network and communication equipment rooms
- Computer rooms of branch offices of industries like finance, etc

Integrated Cabinet
25kVA-75kVA

Features

Reliable

- Wide input voltage range from 138Vac to 485Vac to suit for worst grid and minimize battery use
- Dual-controller design to eliminate the single point of failure
- Redundant auxiliary power supply and fans
- Intelligent Battery Management: monitoring battery's temperature, early warning for failure, battery powered high reliability.

Efficient

- High efficiency of system up to 96%
- Intelligent hibernation technology to keep UPS operating at high efficiency
- All in one design, saving the area of 50%

Simple

- Modularized power, bypass, control and battery modules, fast installation and maintenance
- 7-inch colored LCD showing real-time operation status in various languages
- Various communication interfaces including dry contacts, RS485, Modbus etc.
- NetEco network manager, supporting centralized management to all the UPSs

Modular Battery Cabinet

Specifications

Model			UPS5000-E-(25-75kVA)-BF		
Capacity (kVA/kW)			25kVA/kW	50kVA/kW	75kVA/kW
Input	Mains	Rated Voltage	380/400/415Vac		
		Voltage Range	138 to 485Vac		
		Input Wiring	3Ph+N+PE		
		Frequency Range	40 to 70 Hz		
		Total Harmonic Distortion	<3% (100% linear load)		
		Input Power Factor	0.99		
	Bypass	Rated Voltage	380/400/415Vac		
		Frequency Range	50/60Hz (adjustable, 0.5 to 6Hz, ±2Hz by default)		
		Input Wiring	3Ph+N+PE		
Output	Rated Voltage		380/400/415Vac		
	Output Frequency		Tracking the bypass input (Normal mode); 50/60Hz±0.05% (Battery mode)		
	Output Power Factor		1		
	Waveform		Sine wave; THDv<1% (linear load)		
	Output Wiring		3Ph+N+PE		
	System Efficiency		Up to 96%		
	Overload Capacity		≤110% overload for 60min; ≤125% overload for 10min; ≤150% overload for 1min		
Environment	Operation Temperature		0 to 40 °C		
	Storage Temperature		-40 to 70 °C		
	Relative Humidity		0% to 95% (No condensing)		
	Maximum Operation Altitude		0-1000m. Above 1000m, derating rate based on EN/IEC 62040-3		
	Noise		<65dB		
Others	System Expandability		4		
	Integrated Cabinet Power Backup		Standard configuration 2 to 4 groups of battery (8 to 16 battery modules)		
	Battery Cabinet (optional) Power Backup		Optional battery cabinet, 1 to 8 groups of battery (4 to 32 battery modules) per cabinet, max. 4 cabinets in parallels		
	Battery Module		Support battery or empty battery for battery module, battery typical configuration: 10×12V 9Ah		
	Height×Width×Depth (mm)		2000 × 600 × 1100		
	Weight (full configuration)		890kg	910kg	930kg
	Certifications		EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc.		
	Communications		SNMP, RS485, Dry contacts etc.		

Notice:

1. The UPS series are for commercial/industrial use and not used for life support equipment;
2. The critical systems concerning economic and public security must adopt power supply architecture that comply with Uptime TIER III or TIER IV requirements stated in TIA942.

General Disclaimer

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