

UPS5000-E Series

(25k-75k)-SM (1m High)

Introduction

UPS5000-E-75k-SM is the compact modular UPS which has a height of only 1m. It's compatible with rack mount. The modularized architecture helps improve the availability and reduce the engineering cost significantly.

Scenarios

- Enterprise small & medium data center
- Central offices, dispatch center, control center, etc.

Features

Reliable

- 138-485Vac ultra-wide input voltage range, adopt for harsh grid and extend battery life
- Optional redundant design, power modules N+1
- Pre-warnings for key components like fans and electrolytic capacitor

Efficient

- High efficiency up to 96% at most frequently-used load rate, reducing power consumption of UPS and cooling system
- Intelligent hibernation technology ensures high efficiency at light load rate

Simple

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



Appearance



25kVA@2U

Specifications

Model		UPS5000-E-(25k-75k)-SM		
Rated Capacity (kVA/kW)		25kVA/kW	50kVA/kW	75kVA/kW
Number of Power Modules		1-2	2-3	3-4
Main's Input	Input Wiring	3Ph+N+PE		
	Rated Voltage	380/400/415Vac		
	Voltage Range	138-485Vac		
	Input Frequency	40-70Hz		
	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	360-528Vdc(The number of batteries can be selected from 30 to 44;32 batteries in default)		
Output	Output Wiring	3Ph+N+PE		
	Voltage	380/400/415Vac±1%		
	Frequency	Tracking the bypass input (Normal mode); 50/60Hz±0.05% (Battery mode)		
	Waveform	Sine wave (THDv<1% for linear load)		
	Output Power Factor	1		
	Overload Capacity	Inverter: 110% overload for 60minutes;125% overload for 10 minutes;150% overload for 1 minute;		
	Efficiency	Up to 96%		
	Expandability	4		
Environment	Operating Temperature	0-40°C		
	Storage Temperature	-40-70°C		
	Relative Humidity	0%-95% (No condensing)		
	Operating Altitude	0-1000m. Above 1000m, derating rate based on EN/IEC 62040-3		
	Noise	64dB		
Others	Height×Width×Depth(mm)	1020×440×850		
	Weight	148kg	168kg	188kg
	Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc.		
	Communications	Dry contacts, RS485, SNMP		

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.

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