

# UPS5000-E Battery Integrated Solution

## (25-75kVA)

### Introduction

UPS5000-E Battery Integrated Solution features On-line double-conversion topology and true modular design with pre-installed battery modules resulting fast on-site deployment & installation, intelligent management, unattended operation and simple O&M, thus providing customers with reliable, efficient and simple modular UPS solution.



Power module: 25 kVA/2 U

### Typical applications

- Small-to-medium sized data centres.
- 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

### Features

#### Reliable

- Wide input voltage range from 138 Vac to 485 Vac to suit poor Grid areas 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, internal resistance and voltage in real time, early warning for failure, battery powered high reliability.

#### Efficient

- High efficiency of up to 96.5% at online mode.
- Intelligent hibernation technology to keep UPS operating at high efficiency (available in both single and parallel systems)
- All in one design, saving the area of 50%

#### Simple

- Modular power, bypass, control and battery modules, fast installation and maintenance.
- 7-inch coloured 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 UPS.



Integrated Cabinet  
25kVA-75kVA



Battery Cabinet

## Specifications

Model		UPS5000-E Series (25-75)	
Input	Mains	Rated Voltage	380/400/415 Vac
		Voltage Range	138-485 Vac
		Input Wiring	3Ph+N+PE
		Frequency Range	40 -70 Hz
		Total Harmonic Distortion	<3%(100% linear load)
		Input Power Factor	0.99
	Bypass	Rated Voltage	380/400/415 Vac
		Frequency Range	50/60 Hz (adjustable, 0.5-6 Hz, ±2 Hz by default)
		Input Wiring	3Ph+N+PE
Output	Rated Voltage	380/400/415 Vac	
	Frequency	Same as bypass(Online mode), 50/60 Hz±0.05%(Battery mode)	
	Output Power Factor	1	
	Waveform	Sine wave; THDv<1%(linear load)	
	Output Wiring	3Ph+N+PE	
	Efficiency	Up to 96.5% (power module)	
	Overload Capacity	110% overload for 60 min; 125% overload for 10 min; 150% overload for 1 min	
Environment	Operation Temperature	0-40 °C	
	Storage Temperature	-40-70 °C	
	Relative Humidity	0%-95%(No condensing)	
	Maximum Operation Altitude	≤1000 m, Above 1000 m, de-rating of 1% each 100 m between 1000 m and 4000 m	
Others	Cabinet Type	Integrated Cabinet	Battery Cabinet
	Rated Capacity	25-75 kVA	NA
	Battery Modules	1-4 units	1-8 units
	Paralleled Units	4	
	Height×Width×Depth (mm)	2000×600×1100	
	Communications	SNMP, RS485, Dry contacts etc.	
	Safety Regulations	EN62040-1:2013, IEC62040-1:2013, YD/T1095-2000, GB/T14715-93	
	EMC	EN62040-2, IEC62040-2, IEC61000-2-2, IEC61000-4-2, EN61000-4-3, IEC61000-4-4, IEC61000-4-5, EN61000-4-6, IEC61000-4-8, IEC61000-4-11	

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