UPS5000-E Modular UPS

(25-125kVA)

Features

High Reliability

- Wide input voltage range minimizing battery use: 138-485 Vac
- Dual-controller design, eliminating the single point of failure
- Fault-tolerance design for fan system

Low Power Consumption

- High efficiency of 95.5% at online mode and 99% at ECO mode
- Intelligent hibernation technology to keep UPS operating at high efficiency (available in both single and parallel configuration)

High Availability

- Modularized design, expanding as required
- Hot swappable power module, bypass module and control module, easy to maintenance and expansion
- High output power factor up to 1 and no derating for devices with a PF>0.5

Easy Management

- 7-inch colored LCD showing real-time operation status in various languages
- Various communication interfaces including SNMP, dry contacts, RS485
- NetEco network manager, supporting concentrated management to all the UPSs

Intelligent Battery Management

- Flexible battery configuration
- One battery string shared by all the UPS that are selectable under parallel configuration
- Intelligent temperature compensation
- The intelligent adjustment of Battery charging and discharging current to extend the battery lifespan

Optional Components

- Dry Contact Extended Card
- Backfeed Protection Card
- Input Power Distribution Cabinet
- Output Power Distribution Cabinet
- BCB Box
- Battery Switch Box
- Battery Inspection System
- Battery Grounding Failure Detection Instrument
- Battery Temperature Sensor

Specification

Model		UPS5000-E-125K-F125				
Rated Capacity(kVA/kW)		25kVA/kW	50kVA/kW	75kVA/kW	100kVA/kW	125kVA/kW
Power module numbers		1	2	3	4	5
Input						
Mains	Rated Voltage	380/400/415 Vac				
	Voltage Range	138-485 Vac				
	Input Wiring	3Ph+N+PE				
	Input Frequency	40-70 Hz				
	Total Harmonic Distortion	THDi<3% for linear load, THDi<5% for nonlinear load				
	Input Power Factor	0.99				
Bypass	Rated Voltage	380/400/415 Vac				
	Input Frequency	50/60±6 Hz				
	Input Wiring	3Ph+N+PE				
Battery	Rated Voltage	360-480 Vdc（the number of batteries can be selected from 30 to 40; 32 batteries in default）				
Output						
Voltage		380/400/415 Vac±1%				
Frequency		Tracking the bypass input(Online Mode); 50/60 Hz±0.1%(Battery Mode)				
Output Wiring		3Ph+N+PE				
Waveform		Sine wave (THDv＜1% for linear load)				
Output Power Factor		1				
Efficiency		95.5%				
Overload Capacity		Inverter: 110% overload for 60 min; 125% overload for 10 min; 150% overload for 1 min Bypass: 135% overload for long term; >1000% overload for 100ms				
Environment						
Operating Temperature		0-40 ℃				
Storage Temperature		-40-70 ℃				
Relative Humidity		0%-95% (No condensing)				
Maximum Operating Altitude		1000 m. Above 1000 m, derating 1% for each additional 100 m				
Others						
Height×Width×Depth(mm)		2000*600*850				
EMC		EN/IEC 62040-2; IEC61000-4-2; EN61000-4-3; EN61000-4-6				
Safety		EN/IEC 62040-1; YD/T1095-2008; GB/T4715-93, TLC, CE, RoHS, Reach, WEEE, etc.				
Communications		Dry contacts, RS485, SNMP				