

UPS5000-A Series (30-120 kVA)

Features

High Reliability

- Wide input voltage range minimizing battery use: 485-305 Vac for 100% load; 305-138 Vac for 100%-40% load (derating linearly)
- 5 kA lightning protection design on input port to reduce lightning-related failure rate
- Dual auxiliary power design, eliminating the single point of failure

Low Power Consumption

- High Efficiency of up to 96% for online mode
- High efficiency of up to 99% for ECO mode

High Availability

- Rack/tower convertible
- Built-in bus synchronization controllers (BSCs) and parallel card, easy to build various redundancy systems
- High output power factor of up to 1

Easy management

- User friendly Liquid Crystal Display (LCD) that displays operation states in real time
- Various communication interfaces including SNMP, dry contacts, RS485
- NetEco network manager, supporting concentrated management to all the UPSs

Intelligent Battery Management

- Battery dormancy technology to extend the battery lifespan
- Flexible battery configuration: 30 to 40 cells per string



Optional Components

- Parallel Cable
- BSC Cable
- Battery Temperature Sensor
- Ambient Temperature and Humidity Sensor

Application Scenarios

- Medium Data Centers
- Control Centers
- Network Management Centers
- Medium Offices



Specifications

Model	UPS5000-A-30K	UPS5000-A-40K	UPS5000-A-60K	UPS5000-A-80K	UPS5000-A-120K
Rated Capacity	30kVA/30kW	40kVA/40kW	60kVA/60kW	80kVA/80kW	120kVA/120kW
Input					
Mains	Input Wiring	3Ph+N+PE			
	Rated Voltage	380/400/415 Vac			
	Voltage Range	138-485 Vac			
	Rated Frequency	50/60 Hz			
	Frequency Range	40-70 Hz			
	Total Harmonic Distortion	≤3%			
	Input Power Factor	0.99			
Bypass	Input wiring	3Ph+N+PE			
	Rated Voltage	380/400/415 Vac			
	Input Frequency	50/60 ± 6 Hz			
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		380/400/415 Vac ± 1%			
Frequency		Tracking the bypass input (Online Mode); 50/60 Hz ± 0.25% (Battery Mode)			
Waveform		Sine wave (THDv < 1% for linear load)			
Output Power Factor		1			
Efficiency		96%			
Overload Capacity		110% overload for 60 min; 125% overload for 10 min; 150% overload for 1 min			
Environment					
Operating Temperature		0-40°C			
Storage Temperature		-40-70°C			
Relative Humidity		0%-95% (No condensing)			
Maximum Operating Altitude		1000 m. Above 1000 m, derating according to IEC62040-3			
Audible Noise		≤58dB	≤64dB		
Others					
Height × Width × Depth (mm)		500 × 264 × 800		1020 × 440 × 850	
Weight		70 kg		200 kg 240 kg	
Communications		Dry contacts, RS485, SNMP			

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