UPS5000-H- (400K~1600KVA)-G

Data Sheet

UPS5000-H-
(400/500/600kVA)-G

UPS5000-H-
(800kVA) -G

UPS5000-H-
(1200kVA)-G

UPS5000-H-
(1600kVA)-G

UPS5000-G is a new generation of large and medium uninteruptable power supply system, which is mainly used in medium-sized enterprise data centers, large enterprise regional headquarters central computer rooms, automatic control systems, precision instruments and equipment and other scenes. Using a new 100kVA/3U hot-plug power module, - cabinet - megawatt, effectively saving floor space and installation time, system efficiency up to 97%, low load and high efficiency sleep mode, iPower intelligent means to improve system reliability, simplify operation and maintenance, Intelligent online mode to achieve 99.1% ultra-high efficiency, excellent indicators, while ensuring 0ms full mode switching.

Highlights

Minimalism

- Key components modular hotplug redundant design, no single point of failure.
-Modular hot-swap design, 5 minutes to complete online maintenance.
- UPS5000-H full modular architecture, to achieve full online phased expansion.

Green

- The battery has no midline design, easy installation, saving the initial investment cost of 10,000 yuan per unit.
- The system efficiency is up to 97%, 1% efficiency improves the life cycle and saves 400 + yuan of electricity.
-Sleep mode to achieve low load and high efficiency of UPS and improve the energy efficiency of initial power supply in data centers.

Intelligence

- iPower full link monitoring, turning passive alarms into active AI predictive maintenance.
- Bus capacitor lifetime prediction to improve power supply reliability and reduce maintenance costs.
- Fan lifetime prediction improves power supply reliability and reduces maintenance costs.

Technical Specifications

Model number		UPS5000-H-400/500/600k-N-GT	UPS5000-H-800k-NT-G	UPS5000-H-1200k-NT-G	UPS5000-H-1600k-NT-G
Capacity	Rack capacity	400/500/600kVA	800kVA	1200kVA	1600kVA
	Number of modules	2-4/2-5/2-6	2-8	2-12	2-16
Main road input	Input format	3Ph+N+PE			
	Rated voltage	380/400/415Vac			
	Voltage range	138-485V (100% load: 323-485V)			
	Frequency range	40-70Hz			
	THDi	Normal mode: Linear full load THDi<3% Smart online mode: linear full load THDi<3%			
	Input power factor	Normal mode: 0.99 Smart Online mode: 0.99			
Bypass input	Input format	3Ph+N+PE			
	Rated voltage	380/400/415Vac			
	Input frequency	50/60±6Hz			
Batteries	Rated voltage	360-600Vdc, 30-50 optional, rated at 40, no center line battery, support odd number (lead-acid battery) 512Vdc (SmartLi)			
	Battery pack sharing	Support (SmartLi, lead acid battery)			
	Max Max charging power rate/current	Single power module 15%/30A			
	Battery Pack type	SmartLi, lead acid battery			
Output	Output format	3Ph+N+PE			
	Voltage	380/400/415Vac±1%			
	Frequency	Tracking bypass (inverter powered), 50/60Hz±0.05% (battery mode)			
	THDv	Linear full load THDv<1%			
	Inverter overload capability	100% < load ⩽110%, after 60 minutes to bypass output; 110% < load ⩽125%, 10 minutes after the bypass output; 125% < load ⩽150%, 1 minute after the bypass output			
System	Output power factor	1			
	Efficiency	Normal mode: up to 97%; Smart online mode: up to 99.1%			
	Joint Power supply	Support joint power supply of mains and battery			
	Maximum number of parallel machines	6	4	4	2
	Top copper row connection	/	/	Support	Support
	Disconnector switch	/			
Environment	Operating temperature	0 C ~ 55 C (0°C ~40°C without derating; 41°C ~45°C derated to 0.9; 46°C ~50°C derated to 0.8; And 51°C to 55°C to 0.7)			
	Storage temperature	- 40-70 °C			
	Humidity	0%-95% (no condensation)			
	Running height	0-2000m, above 2000m refer to EN/IEC 62040-3 derating			
Others	Weight (kg)	690/745/800	1300	1600	2300
	High x wide x deep	2000mm × 800mm × 1000mm	2000mm × 1600mm × 1000mm	2200mm × 1600mm × 1000mm	2200mm × 2400mm × 1000mm
	Standards and Certification	Standards: EN/IEC 62040-1,, EN/IEC 62040-2, EN/IEC 62040-3; ; Certification: CE, CB, RoHS, REACH, WEEE, etc			
	Communication interface and protocol	Communication interface: dry contact, RS485, FE; Communication protocol: Web, ModBus, SNMP			

Model number		UPS5000-H-400/500/600k-FT-G
Capacity	Rack capacity	400/500/600kVA
	Number of modules	2-4/2-5/2-6
Main road input	Input format	3Ph+N+PE
	Rated voltage	380/400/415Vac
	Voltage range	138-485V (100% load: 323-485V)
	Frequency range	40-70Hz
	THDi	Normal mode: Linear full load THDi<3% Smart online mode: linear full load THDi<3%
	Input power factor	Normal mode: 0.99 Smart Online mode: 0.99
Bypass input	Input format	3Ph+N+PE
	Rated voltage	380/400/415Vac
	Input frequency	50/60±6Hz
Batteries	Rated voltage	360-600Vdc, 30-50 optional, rated at 40, no center line battery, support odd number (lead-acid battery) 512Vdc (SmartLi)
	Battery pack sharing	Support (SmartLi, lead acid battery)
	Max Max charging power/current	Single power module 15%/30A
	Battery Pack type	SmartLi, lead acid battery
Output	Output format	3Ph+N+PE
	Voltage	380/400/415Vac±1%
	Frequency	Tracking bypass (inverter powered), 50/60Hz±0.05% (battery mode)
	THDv	Linear full load THDv<1%
	Inverter overload capability	100% < load ⩽110%, after 60 minutes to bypass output; 110% < load ⩽125%, 10 minutes after the bypass output; 125% < load ⩽150%, 1 minute after the bypass output
System	Output power factor	1
	Efficiency	Normal mode: up to 97%; Smart online mode: up to 99.1%
	Joint Power supply	Support joint power supply of mains and battery
	Maximum number of parallel machines	6
	Disconnector switch	Built-in switch (main input, bypass input, output, maintenance bypass)
	Switch Specifications	690VAC 1250A/3P disconnector switch
Environment	Operating temperature	0°C ~ 55°C0°C ~40°C without derating; 41°C ~45°C derated to 0.9; 46°C ~50°C derated to 0.8; And 51°C to 55°C to 0.7
	Storage temperature	- 40-70 °C
	Humidity	0%-95% (no condensation)
	Running height	0-2000m, above 2000m refer to EN/IEC 62040-3 derating
Others	Weight (kg)	750/805/860
	Model (height x width x depth)	2000mm × 800mm × 1000mm
	Standards and Certification	Standards: EN/IEC 62040-1, EN/IEC 62040-2, EN/IEC 62040-3; Certification: CE, CB, RoHS, REACH, WEEE, etc
	Communication interface and protocol	Communication interface: dry contact, RS485, FE; Communication protocol: Web, ModBus, SNMP

* The pictures, technical parameters and instructions displayed in the product promotion are for reference only, and the specific products are subject to the actual delivery.

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