

UPS8000-D Series (200-600 kVA)

Features

High Reliability

- Built-in isolation transformer, improving adaptability to impulse load
- 240-480 Vac wide input voltage range, be suitable for harsh grid
- High overload capacity: 110% overload for 60 min; 125% overload for 10 min; 150% overload for 1 min
- Backflow current protection design

Low TCO

- High efficiency: >94% for 50% load; >93% for 25% load
- Intelligent hibernation technology keeping UPSs operating at high efficiency
- Power walk-in technology that boosts the proportion of UPS capacity to D. G. capacity to 1:1.1 and reduces expense on D. G.
- Low cost on power distribution components (including breakers, cables) due to low THDi<3% and high input power factor up to 0.99

High Availability

- Highly expandable design: up to 8 units paralleled together
- Dynamic dual-bus technology that enables 2 independent parallel systems to be connected together in emergency
- Modularized power units, easy to maintain

Intelligent Management

- Control parameters that can be adjusted automatically according to battery type
- The intelligent battery management to prolong battery service time
- LED and graphic LCD displaying the operating status and parameters in real-time
- Black box facilitating quick and easy fault location



Application Scenarios

- Large/Medium Datacenters
- Large Office Regions
- Industry Automation Devices

Optional Components

- SNMP Card
- Modbus Card
- Dry Contact Card
- Battery Switch Box
- Cabinet Routing Cables from the Top
- Battery Temperature Sensor
- Cold Start Components
- Parallel Kit
- UGS



Specifications

Model	UPS8000-D-200K	UPS8000-D-300K	UPS8000-D-400K	UPS8000-D-500K	UPS8000-D-600K
Rated Capacity	200kVA/180kW	300kVA/270kW	400kVA/360kW	500kVA/450kW	600kVA/540kW
Input					
Mains	Input Wiring	3Ph without neutral			
	Rated Voltage	380/400/415 Vac			
	Voltage Range	240-480 Vac			
	Frequency Range	45-65 Hz			
	Total Harmonic Distortion	<3%			
	Input Power Factor	0.99			
Bypass	Input Wiring	3Ph+N			
	Rated Voltage	380/400/415 Vac			
	Frequency Range	50/60 Hz \pm 2% (\pm 1% to \pm 6% adjustable)			
Battery	Rated Voltage	480 Vdc			
Output					
Output Wiring		3Ph+N			
Rated Voltage		380/400/415 Vac			
Frequency		Tracking the bypass input (Online mode); 50/60 Hz \pm 0.05% (Battery mode)			
Waveform		Sine wave; THDv < 2% (linear load), THDv < 3% (non-linear load)			
Output Power Factor		0.9			
Efficiency		94%			
Overload Capacity		Three phases: 110% overload for 60 min; 125% overload for 10 min; 150% overload for 1 min; Single phase: 200% overload for 6 s			
Environment					
Operating Temperature		0-40 °C			
Storage Temperature		-25-70 °C			
Relative Humidity		0%-95% (No condensing)			
Maximum Operating Altitude		\leq 1000 m. Above 1000 m, derating of 1% for each 100 m between 1000 m and 4000 m			
Audible Noise		< 72 dB			
Others					
Height \times Width \times Depth (mm)		1900 \times 1000 \times 850	1900 \times 1500 \times 1000		1900 \times 2100 \times 1000
Weight		1000 kg	1550 kg	1720 kg	2525 kg 2700 kg
Communications		SNMP, RS232/485, dry contacts			

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HUAWEI TECHNOLOGIES CO., LTD.

Huawei Industrial Base
Bantian Longgang
Shenzhen 518129, P.R. China
Tel: +86-755-28780808

www.huawei.com