UPS2000-G Series (1-20 kVA)

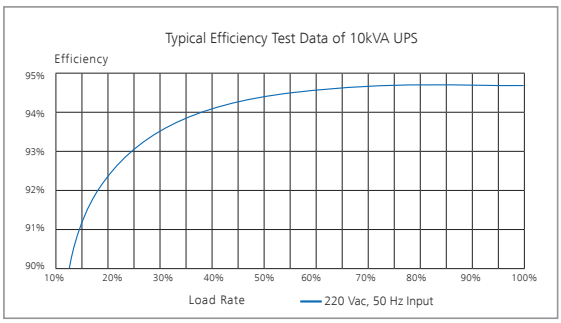
Features

High Reliability

- 5kA lightning protection design on input port
- 80-280 Vac wide input voltage range to minimize battery use: 280-176 Vac for 100% load; 176-80 Vac for 100%-40% load (derating linearly)
- Failure alarm in advance for key components including bus capacitors, fans, and batteries

Low TCO

- High efficiency: up to 95% for 15/20 kVA; 94.5% for 10 kVA; 94% for 6 kVA
- High power density of up to 20kVA/3U



High Availability

- Highly expandable design: up to 4 units paralleled together
- Flexible battery configuration
- Rack/tower convertible

Intelligent Battery Management

- Intelligent temperature compensation
- Intelligent hibernation technology extending battery lifespan
- Battery capacity estimation and health evaluation using self-learning technology

Easy Management

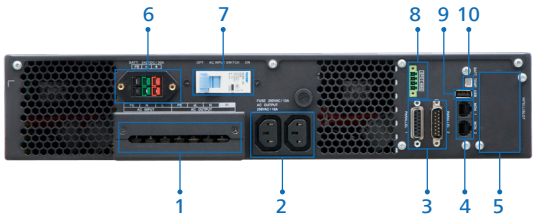
- User friendly Liquid Crystal Display(LCD) that displays operation states in real time
- Various communication interfaces including RS485, USB, dry contacts and SNMP
- Web access using SSL

UPS2000-G: Globally, the first batch of UPSs achieving Energy Star certification

Optional Components

- SNMP Card
- Modbus Card
- Dry Contact Card
- PDU
- Battery Pack
- STS
- Isolation Transformer
- Temperature Sensor
- Ambient Temperature and Humidity Module

Interface Introduction



1 Input & Output Terminals 2 IEC320 C13
3 Parallel Cable Interfaces 4 Can Bus Interface
5 Intelligent Slot (Supporting SNMP card, Modbus card, and dry contact card)
6 Battery Input Terminals 7 Input Breaker
8 EPO & Maintenance Bypass State Interfaces
9 USB 10 Battery Temperature Sensor Interface

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Specifications

Model		UPS2000-G-1K	UPS2000-G-3K	UPS2000-G-6K	UPS2000-G-10K	UPS2000-G-15K	UPS2000-G-20K
Rated Capacity		1kVA/0.7kW	3kVA/2.1kW	6kVA/5.4kW	10kVA/9kW	15kVA/13.5kW	20kVA/18kW
Input							
Mains Input	Input Wiring	Ph+N+PE			Ph+N+PE /3Ph+N+PE		
	Rated Voltage	220/230/240 Vac		L-N: 220/230/240 Vac			
	Input Voltage Range	125-275 Vac		L-N: 80-280 Vac			
	Input Frequency Range	45-66 Hz		40-70 Hz			
	Input Power Factor	0.95		0.99			
Bypass	Rated Voltage	220/230/240 Vac		L-N: 220/230/240 Vac			
	Frequency	50/60 ± 6 Hz					
Battery	Rated Voltage	36 Vdc	96 Vdc	192-240 Vdc		± (192-240) Vdc	
Output							
Output wiring		Ph+N+PE				Single-phase input: Ph+N+PE; Three-phase input: Ph+N+PE/3Ph+N+PE	
Rated Voltage		220/230/240 Vac ± 2%		220/230/240 Vac ± 1%		L-N: 220/230/240 Vac ± 1%	
Rated Frequency		Tracking the bypass input (Online Mode); 50/60 ± 0.1Hz (Battery Mode)					
Waveform		Sine wave, THDv < 3%		Sine wave, THDv < 2%			
Efficiency		88%	91%	94%	94.5%	95%	
Overload Capacity		130% overload for 60s; 150% overload for 30s		125% overload for 5min 150% overload for 1min			
Environmental							
Operating Temperature		0-40 °C					
Storage Temperature		-20-55 °C		-40-70 °C			
Relative Humidity		0%-95% (No condensing)					
Maximum Operating Altitude		1000 m. Above 1000 m, derating according to IEC62040-3					
Audible Noise		< 45dB		< 55dB		< 58dB	
Others							
Height × Width × Depth (mm)		86 × 440 × 500		86 × 430 × 585		130 × 430 × 685	
Weight		8.2 kg	11.2 kg	14 kg	16 kg	32 kg	
Communications		RS232, dry contacts		RS485, USB, SNMP, dry contacts			

General Disclaimer

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