

# UPS2000-G Series (1-20 kVA)

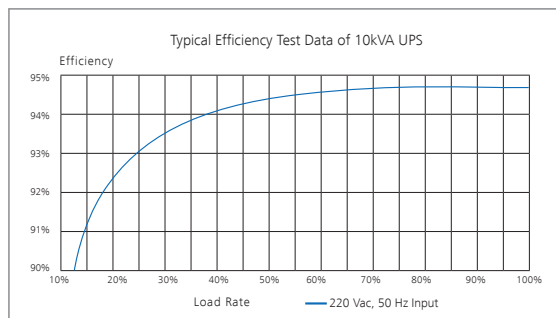
## Features

### 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

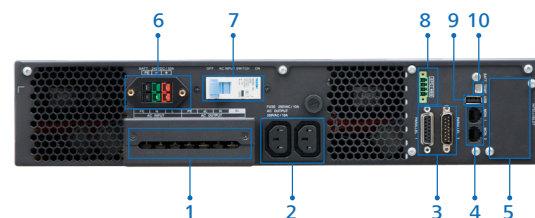


UPS2000-G: Globally, the first batch of UPSs achieving Energy Star certification

## 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



# 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
<b>Input</b>						
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	
<b>Output</b>						
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			
<b>Environmental</b>						
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	
<b>Others</b>						
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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