

# UPS2000-G Series

## (1-20kVA)

### Introduction

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UPS2000-G series with a capacity ranging from 1kVA to 20kVA is an online double conversion power system that delivers continuous, high-quality AC power. It is rack/tower convertible and 95% high efficiency helps it get ECA energy saving certification from United Kingdom government and the world's first batch of "Energy Star" certification. It's really a perfect power protection solution for small power scenarios.

### Scenarios

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- Small and medium enterprises, large enterprise branch offices, bank branches and other small data centers
- Networks, communications systems, automatic control systems and other precision equipment

### Features

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#### High Reliability

- 5 kA lightning protection design, reducing lightning-related failure rate
- Key component failure pre-alarm including fans, batteries, bus capacitors to remind customers to maintain before failure occurs
- Wide input voltage range to minimize battery use: 280-176 Vac for 100% load; 176-80 Vac for 100%-40% load (derating linearly)

#### Reduced Power Loss

- High efficiency at online mode to reduce power loss of UPS and air conditioner: up to 95% for 15/20kVA, 94.5% for 10kVA, 94% for 6kVA

#### High Availability

- Rack/tower convertible, suitable for different installation scenarios
- High expandability design: up to four units can be connected in parallel to achieve higher capacity or reliability



UPS2000-G-1K



UPS2000-G-6K/10K



UPS2000-G-15K/20K

## Specifications

Rated Capacity		1kVA/0.7kW	3kVA/2.4kW	6kVA/5.4kW	10kVA/9kW	15kVA/13.5kW	20kVA/18kW
Input : Output		1-in : 1-out			1-in : 1-out or 3-in : 1-out	1-in : 1-out, 3-in : 1-out or 3-in : 3-out	
Mains Input	Input Wiring	L+N+PE			L+N+PE /3Ph+N+PE		
	Rated Voltage	220/230/240 V AC			L-N: 220/230/240 V AC		
	Input Voltage Range	125-275 V AC	110-300 V AC	L-N: 80-280 Vac			
	Input Frequency Range	50/60 Hz ± 10%	40-70 Hz				
	Input Power Factor	0.95	0.99				
Bypass Input	Rated Voltage	220/230/240 V AC		L-N: 220/230/240 V AC			
	Frequency	50/60 ± 6 Hz	50/60 ± 3 Hz	50/60 ± 6 Hz			
Battery	Rated Voltage	Standard	36 V DC	72 V DC	240 V DC		----
		Long Backup		96 V DC	192-240 V DC		±(192-240) V DC
Output	Output Wiring	L+N+PE				L+N+PE /3Ph+N+PE	
	Output Sockets	3 × IEC C13 (10A)	6× IEC C13 (10A)	2 × C13 (10A)	—		
	Rated Voltage	220/230/240 V AC ± 2%	220/230/240 V AC ±1%			L-N: 220/230/240 V AC ±1%	
	Rated Frequency	Online Mode: Tracking the bypass input (Online Mode); Battery Mode: 50/60 Hz ±0.5% (1/3kVA) and 50/60±0.1 Hz (6/10/15/20kVA)					
	Waveform	Sine wave, THDv<3%			Sine wave, THDv<2%		
	Efficiency	88%	90%	94%	94.5%	95%	
Environment	Operating Temperature	0-40°C					
	Storage Temperature	-20-55°C			-40-70°C		
	Relative Humidity	0%-95% (No condensing)					
	Operating Altitude	1000 m. Above 1000 m, derating according to IEC62040-3					
	Audible Noise	<45 dB	<50 dB	<55 dB		<58 dB	
Others	H × W × D (mm)	Standard	86 × 440 × 500	88 × 438 × 630	86 × 430 × 585		130 × 430 × 685
		Long Backup		88 × 438 × 410			
	Weight	8.2 kg	11.2 kg	14 kg	16 kg	32 kg	
	Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc					
Communications	RS232, dry contacts	USB, RS232, RS485, dry contacts	RS485, USB, SNMP, dry contacts				

\* 6kVA & 10kVA UPS have 2 versions: standard version and long backup time version