

# FusionPower Series

## UPS2000-G-(15-20kVA)

### Introduction

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FusionPower Series UPS2000-G with a capacity ranging from 15kVA 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.



UPS2000-G-15K/20K

### Scenarios

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- Small and medium-sized 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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#### Reliable

- 5kA 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
- Ultra-wide voltage input range to extend battery service life by effectively reducing times of switchover to battery mode

#### Efficient

- High efficiency at online mode to reduce power loss of UPS and air conditioner: up to 95%

#### Simple

- 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
- NetEco network manager, supporting centralized management to all the UPS

## Specifications

Rated Capacity(kVA/kW)		15/13.5	20/18
Input: Output		1-in: 1-out, 3-in: 1-out or 3-in: 3-out	
Mains Input	Input Wiring	L+N+PE /3Ph+N+PE	
	Rated Voltage	L-N: 220/230/240V AC	
	Input Voltage Range	L-N: 80-280V AC	
	Input Frequency Range	40-70Hz	
	Input Power Factor	0.99	
Bypass Input	Rated Voltage	L-N: 220/230/240V AC	
	Frequency	50/60 ± 6Hz	
Battery	Rated Voltage	384-480V DC, 32-40 section adjustable, default 40	
Output	Output Wiring	L+N+PE /3Ph+N+PE	
	Rated Voltage	L-N: 220/230/240V AC ± 1%	
	Rated Frequency	Tracking the bypass input (Normal mode); 50/60 Hz ± 0.05% (Battery mode)	
	Output Power Factor	0.9	
	Waveform	Sine wave, THDv<2%	
	Efficiency	95%	
	ECO Efficiency	98%	
Environment	Operating Temperature	0-40°C	
	Storage Temperature	-40 to 70°C	
	Relative Humidity	0%-95% (No condensing)	
	Operating Altitude	0-1000m. Above 1000m, derating rate based on EN/IEC 62040-3	
	Audible Noise	< 58dB	
Others	H × W × D (mm)	130 × 430 × 757	
	Weight	32kg	
	Certifications	EN/IEC 62040-1; EN/IEC 62040-2; EN/IEC 62040-3; CE; CB; RoHS, REACH, WEEE, etc	
	Communications	USB(optional RS485/Dry contact/SNMP)	

Remark: For important systems that are related to important economic interests or public security, such as civil aviation management center, financial clearing center, and trading center, the T3 or T4 power supply level specified in TIA942 must be used. That is, two UPSs form dual-bus power supply or the UPS and mains form dual-bus power supply.

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