

UPS2000-G

(15~20kVA)

INTRODUCTION

UPS2000-G with a capacity ranging from 6kVA 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.

APPLICATION SCENARIOS

- 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 & VALUE

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% for 15/20kVA.

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 UPSs



UPS2000-G-15/20kVA

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	
	Output Sockets	2 × C13 (10A)	
	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)	

Note:

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 Tier IV or Tier III power supply level specified in TI942 must be used. That is, two UPSs form dual-bus power supply or the UPS and mains form dual-bus power supply.

UPS2000-H

(6~10kVA)

INTRODUCTION

The FusionPower series UPS2000-H(6-10kVA) is an ideal power supply solution for small-sized scenarios based on the online double conversion technology. It can eliminate various power grid problems and support rack or tower installation, with a high efficiency of 96%. Small size, high power density, saving installation space. In addition, no screen design and built-in Wi-Fi for communication with the mobile app, enabling flexible monitoring of the UPS status.

APPLICATION SCENARIOS

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

FEATURES & VALUE

Simple

- Independent power-on/off button, no screen design, built-in Wi-Fi communication with mobile app, and intelligent features to comprehensively monitor the UPS status and improve intelligent application experience
- The 6kVA model is 1U high and the 10kVA model is 2U high. High density and save installation space.

Efficient

- Efficiency up to 96% at normal model, reduce energy consumption, green and energy-saving
- In ECO mode, the efficiency reaches 99%, which is economical and reliable.

Smart

- All-link iPower Monitoring, Changing Passive to AI Predictive Maintenance, Implementing Intelligent Maintenance-Free
- Optional 4G modules support cloud-based management of multiple sites, reducing O&M costs.
- Supports hybrid use of old and new lithium batteries and phased capacity expansion

Reliable

- 5kA lightning protection design, reducing lightning-related failure rate
- The input power grid adaptability is optimized. The D.G. capacity meets the requirement of 1:1.35.



UPS2000-H-6KRTL-L



UPS2000-H-10KRTL-L

SPECIFICATIONS

model		UPS2000-H-6KRTL-L	UPS2000-H-10KRTL-L
Rated Capacity		6kVA/6kW	10kVA/10kW
Input: Output		1-in:1-out	1-in:1-out / 3-in:1-out
Mains Input	Input Wiring	L+N+PE	L+N+PE/3Ph+N+PE
	Rated Voltage	L-N: 220/230/240Vac	
	Input Voltage Range	L-N: 80~280Vac (176~280Vac for 100% load; 80~176Vac for 40%~100% load)	
	Input Frequency Range	40~70Hz	
	Input THDi	THDi<3% (for 100% linear load)	
Bypass Input	Input Power Factor	≥0.99 (100% Load)	
	Input Wiring	Mains and bypass single source	
	Rated Voltage	L-N:220/230/240Vac	
Battery	Input Frequency Range	50/60±6Hz	
	Rated Voltage	12 to 20 lead-acid batteries (Linearly derated to 60% if the number is less than 16)	
System	Charging current	6kVA: 8A (MAX) ; 10kVA: 15A (MAX)	
	Efficiency	Up to 96%	
Output	Max Number In Parallel	4	
	Output Wiring	L+N+PE	
	Rated Voltage	L-N: 220/230/240Vac ± 1%	
	Frequency	Tracking the bypass input (Normal mode); 50/60 Hz±0.1Hz (Battery mode)	
	Output Power Factor	1	
Environment	Output THDv	THDv<1% (for 100% linear load)	
	Overload Capacity	Normal mode: load≤105%, continuous work 105%<load≤125%, for 10 minutes, then transfer to bypass mode 125%<load≤150%, for 1 minute, then transfer to bypass mode Load>150%, for 200 milliseconds, then transfer to bypass mode	
	Operating Temperature	0~50°C, Derating above 40°C	
Others	Storage Temperature	-40~70°C	
	Relative Humidity	0%~95%(No condensing)	
	Operating Altitude	0-1000m. Above 1000m, derating based on EN/IEC 62040-3, maximum: 4000m	
	Audible Noise	55dB	
Others	H × W × D (mm)	43*430*514	86*430*514
	Weight	11kg	16kg
	Certifications	YD/T 1095-2008, EN/IEC 62040-1, EN/IEC 62040-2, EN/IEC 62040-3, TLC, CE, CB, RoHS, Reach, WEEE, etc	
	Communications	Modbus-RTU (optional SNMP / Dry contact)	
	Mobile surveillance	Supports intelligent mobility management	

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 Tier IV or Tier III power supply level specified in TI942 must be used. That is, two UPSs form dual-bus power supply or the UPS and mains form dual-bus power supply.