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.

UPS2000-H-6KRTL-L

UPS2000-H-10KRTL-L

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

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.

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.

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)	
	Input Power Factor	⩾0.99 (100% Load)	
Bypass Input	Input Wiring	Mains and bypass single source	
	Rated Voltage	L-N:220/230/240Vac	
	Input Frequency Range	50/60±6Hz	
Battery	Rated Voltage	12 to 20 lead-acid batteries (Linearly derated to 60% if the number is less than 16)	
	Charging current	6kVA：8A（MAX）；10kVA：15A（MAX）	
System	Efficiency	Up to 96%	
	Max Number In Parallel	4	
Output	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	
	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	
Environment	Operating Temperature	0~50℃, Derating above 40° C	
	Storage Temperature	-40~70℃	
	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)	

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.