

High frequency online UPS

interberg batteries



HPUE UPS (1KVA-10KVA)

Power Availability



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Reliability, Availability, Scalability, Redundancy,

User-friendliness and Maintainability,

whichever value you need,



ISO 9001:08 -- ISO 14001:04
OHSAS 18001:07
Certificate No.: 09-QEO-01427-TIC



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YOUR POWER QUALITY PARTNER

HPUE online ups adopts the double conversion online architecture ideal for resolving all issues on power supply. The UPS is especially designed for eliminating power loss, extra high or low voltage of utility power, voltage sags or damped oscillation, high-voltage pulse, voltage fluctuation, surge voltage, harmonic distortion clutter immunity, and frequency fluctuation etc., delivering safe and and reliable power supply and guarantee for user's load.

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Major Applications

- Information Technology
 - Data Centers
 - Servers (LAN, WAN, MAN, ERP, e-mail, web and others)
 - Networking
- Telecommunication
 - Mobile (2G, 2.5G, 3G)
 - Paging
 - Fixed (including WLL)
- Industrial Automation
 - Process (including instrumentation)
 - Motion (digital drives & robotics) and motor loads
- Transport Automation
 - Airport automation and flight booking
 - Others including railways & road transport automation & ticket booking
- Banking, Insurance and Financial Services
- Software Development Houses / Software Technology Parks (STP)
- Building Automation
 - Access Control
 - Security System
 - Fire Alarm System
 - Emergency Lighting
 - Other Critical Applications
- Medical Diagnostics
 - Magneto Resonant Imaging
 - CT Scanning
 - CathLab
- Satellite
 - Uplinking
 - Earth Stations



Features

- ▶ Its cut-edge digital technology of DSP (Digital Signal Processor), can greatly improve the products performance and system reliability, and deliver a compact integration with higher power density ;
- ▶ Output power factor up to 0.8 – applicable to the tendency of future load evolution, and deliver higher payload capacity;
- ▶ Higher payload and overload capability, better load compatibility, and suitable for various load type; Total power factor up to 90% can minimize the power loss of UPS and utilization cost for user;
- ▶ High Scalability: fully meet the customer's demands; Emergency Power Off (EPO): UPS can be instantly shut off in case of any emergency;

Grid environment

- ▶ Output power factor up to 0.8– applicable to the tendency of future load evolution, and deliver higher payload capacity;
- ▶ Total power factor up to 90% can minimize the power loss of UPS and utilization cost for user;
- ▶ Active power factor correction (PFC) technology allows the input power factor approaching to 1, dramatically reducing the immunity on utility grid;
- ▶ Wider range of input voltage tailored for hard grid can be suitable to all severe environments;
- ▶ Excellent input frequency range makes UPS suitable to different power supply devices, i.e. generator set;

Reliability

- ▶ Its cut-edge digital control technology of DSP (Digital Signal Processor) can deliver higher quality, performance and reliability;
- ▶ Higher payload and overload capability, better load compatibility, and suitable for various load type;
- ▶ Powerful Interference immunity capability in compliance with EMC requirements of IEC61000 –4, deliver your device a clean electric environment.

LCD display & monitoring

- ▶ LCD display accurate UPS working environment and working status to the user, through the LCD display panel can be set output voltage and frequency, at the same time can be set ECO mode , convenient for user to operate the UPS .
- ▶ Support Microsoft Windows95/Me/NT/2000/XP/Unix operating system. Suit for TCP/IP local area network;
- ▶ Support TCP/IP network monitoring ; Provide a hierarchical directory structure management network; Unusual event can be notified to user through broadcast , e-mail, messenger call or mobil messenger; Automatically detect the UPS model and the communication port; Provide password protection;
- ▶ Support timing boot up / shut off UPS function;
- ▶ Support timing UPS self-test function;
- ▶ Support graphically displayed UPS status function in real time;
- ▶ Support network to deactivate the function of multiple servers and workstations;
- ▶ Support Smart Event function, so that the user can defined according to their needs;
- ▶ Accept the abnormal power;
- ▶ Support to shut off most of the applications and the preservation of related document;
- ▶ Support for simplified/traditional Chinese, multi-language and English platform;
- ▶ Support the online help function; with data records (including mains, ups, load, battery) , and event function, to convenient the system administrator for the routine maintenance.

Flexible configuration

- ▶ High Scalability: fully meet the customer's demands;
- ▶ Online Intervention: safe and online intervention without any power supply interruption to load;
- ▶ Emergency Power Off (EPO): UPS can be instantly shut off in case of any emergency;
- ▶ Parallel Kit: realize the parallel extension and redundancy function, offer more flexibility and safety for user's power supply planning;
- ▶ Isolating Transformer: offer isolation protection for the user.

Battery management

- ▶ With its advanced intelligent charge control mode, UPS can automatically select the optimal charge mode as per the battery type and conditions, thus further maximizing the lifespan of battery bank. In addition, the system can periodically conduct the charge & discharge management for the battery bank. User also can select the battery voltage (192V or 240V) on demands.
- ▶ The user can query and set the proper UPS control parameters for intelligent UPS management. automatically identify and adapt to 50/60Hz power supply system, fulfilling the requirements in various power supply systems.
- ▶ Perfect failure protection and alarm function: provide complete failure protection and clear alarm notification function in case of I/O over-voltage or under-voltage, battery over-charge or under-voltage, overload, and short circuit.

Low noise

With leading control technology and craftsmanship, this UPS can greatly increase the power density and reduce the footprint, therefore save more expensive space in your office environment. Additionally, its lower noise during operation can allow you a more comfort working environment.

Communication

- ▶ Provide RS232、USB interface and communication cable for local or remote power supply management;
- ▶ Provide intelligent slot available to Window's Web Power (SNMP), CMC, or AS400 card (dry contact) for remote management and monitoring function.

WE HELP YOU GET IT RIGHT - RIGHT FROM THE START.

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Power Availability

Technical Specifications

Model	HPUE 1-10KVA										
	1KT	1KT-XL	2KT	2KT-XL	3KT	3KT-XL	6KT	6KT-XL	10KT	10KT-XL	
Capacity	1KVA/800W		2KVA/1600W		3KVA/2400W		6KVA/4800W		10KVA/8000W		
Normal voltage	220/230/240VAC Single phase 2 wire+G										
Normal frequency	50/60Hz										
Input											
Voltage Range	115 ~ 300VA						120~275VAC				
Frequency Range	50Hz:(46 ~ 54Hz);60Hz:(56Hz ~ 64Hz)										
Power Factor	> 0.98						0.99				
Output											
Voltage Precision	220/230/240X(1±2%)VAC										
Frequency Precision	50/60Hz ±0.05Hz										
Power Factor	0.8										
Harmonic Distortion	Linear load<3% Non-linear<6%										
Overload Capacity	load > 110% for 47s; load > 150% for 25s; load > 200% for 30ms;						105% < load ≤ 125%, for 60s; 125% < load ≤ 150% for 30s; load > 150% for 0.5s.				
Current Crest Ratio	3:1										
Transfer time	0 ms(AC mode↔DC mode);(AC mode↔Bypass<4ms)										
Battery											
DC Voltage	36VDC		72VDC		96VDC		192 or 240VDC				
Recharge time	5 hours to 90% (it means standard model which battery inside UPS)										
Charging current	1A	4A/8A(Optional)	1A	4A/8A(Optional)	1A	4A/8A(Optional)	2A	4A	2A	4A	
Panel Display											
LCD	UPS status, input/output voltage and frequency,battery voltage, capacity,load temperature,history records, adjust Voltage, ECO mode										
Communication											
Communication port	RS232, SNMP Card (Optional),USB port(Optional)										
Working Environment											
Temperature	0°C ~ 40°C										
Relative Humidity	0~95% (Non-condensing)										
Storage Temperature	-25°C ~ 55°C										
Elevation	1500m										
Noise Level	< 45dB				< 50dB			< 50dB			

STANDARD:Conform to GB / IEC regulation: EMC:GB7260.0 / IEC62040-2 GB / 17626.2-5 / IEC61000-4-2-5 SAFETY:GB4943

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