

This series is a new type high-frequency online UPS. Adopts advanced DSP digital control technology to effectively improve product performance and system reliability, and higher power density, small size, light weight and high work efficiency. Effectively solve power problems such as power cut-off, Grid over voltage/low voltage, voltage instantaneous drop, amplitude reduction, high voltage pulse, surge voltage, harmonic distortion, clutter interference, frequency fluctuation and provide best power for load.

## Application field

Widely used in small and medium-sized enterprise data center, small financial system network, industrial automation control system, LAN server, CBS server, Shopping center cashier, bank securities, tax, communications, postal, transportation, Power, medical, industrial control, petrochemical.



1KVA ~ 2KVA TOWER TYPE

## Product performance

- With double conversion online design, zero output transfer time.
- Adopt DSP digital control, excellent performance indicators, more steady and reliable.
- Adopt active power factor correction technology (PFC), the high input power factor can reduced the pollution to the grid, To energy saving and reducing system investment cost.
- Ultra-wide input voltage range.
- With LCD+LED real-time display, UPS operating available for Detaction.
- With self-detection function, can detect hidden faults of UPS.
- Cold start by battery witout grid Input.
- Input frequency range 40~70Hz, support various fuel ganerators.
- With AC input over voltage, low voltage protection, output overload protection, temperature protection, battery low voltage warning protection and battery overcharge protection.
- Efficiency reach 95.5 %, reduce loss of UPS.
- With input neutral and live line detection function , avoid the reverse connection of UPS utility input.
- When utility cut - off, the UPS discharge battery in the battery mode; when the city power is recovery, UPS turn on automatically, and charge battery at the same time, as unattended function.
- Standard RS232 communication outlet, connect UPS and computer to realize multifunctional and multi - purpose monitoring and management operations , available SNMP card ( optional ) to UPS remote monitoring function

## Specifications

MODEL		HD-1KT9	HD-2KT9
UPS	Capacity	1KVA/900W	2KVA/1800W
	Type	Tower	
	Technology	Online double conversion	
INPUT	Nominal voltage	208/220/230/240VAC	
	Input voltage range	110-300VAC	
	Frequency range	40-70Hz	
	Frequency	50/60Hz (auto-sensing)	
	THDi	≤3% linear load, ≤5% Non-linear load	
OUTPUT	Capacity	900W	1800W
	Voltage	220/230/240VAC ± 1%	
	Frequency	50/60Hz ± 0.1%	
	Waveform	Sinusoidal	
	Power factor	0.9	
	THDv	≤1% tải tuyến tính, ≤3% tuyến tính	
	Socket	Universal x 2	Universal x 3
	Overload capacity	Main mode: 102-110% load: 30mins 110-130% load: 10mins 130-150% load: 30s >150% load: 500ms	Battery mode: 102-110% load: 1mins 110-130% load: 10s 130-150% load: 3s >150% load: 500ms
	Transfer time	0 ms	
	Transfer time to bypass	≤ 4ms	
BATTERY	Battery type	Sealed lead-acid maintenance free battery	
	Battery inbuilt	12V 9Ah x 2	12V 7Ah x 6
	Backup time at full load	4~5 mins	
DISPLAY	LCD+LED	Load / Battery / Operation mode / Faults	
	Communicatons	USB/RS232 with UPS monitoring and management software	
	SNMP	SNMP slot / SNMP card (optional)	
OPERATING ENVIRONMENT	Temperature	0 – 40°C	
	Humidity	20 – 95% (non-condensing)	
	Noise	< 45dB	
PHYSICAL	Dimension(D*W*H), mm	285 x 143 x 222	455 x 190 x 330
	Weight (kg)	8	18.5

\* Product specifications are subject to change without further notice