

## EH5500 Series (1KVA-10KVA)

The EH5500 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. We adopt standard 2U rack structure .



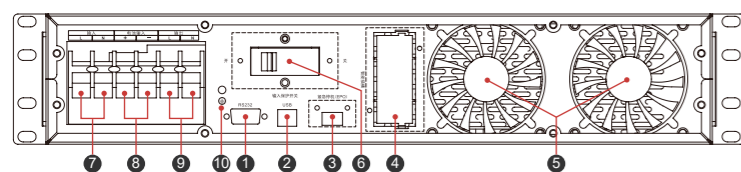
### Product performance

- With double conversion online design, zero output transfer time. Single phase input and output voltage.
- Adopt DSP digital control, excellent performance indicators, more steady and reliable.
- Adopt active power factor correction technology (PFC), the input power factor is 1, can reduced the pollution to the grid, To energy saving and reducing system investment.
- Ultra-wide input voltage range.
- Input frequency range 40~70Hz, support various fuel generators.
- With LCD+LED real-time display, users can intuitively understand the UPS operating status.
- With self- detection function, can detect hidden faults of UPS in time.
- With AC input over voltage, low voltage protection, output overload protection, short circuit protection, temperature protection, battery low voltage warning protection and battery overcharge protection.
- The efficiency of the whole UPS is as high as 95.5%, which reduces the power loss of it and saves the user's use cost.
- When there is no mains power, you can directly use the battery to cold start.
- 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.

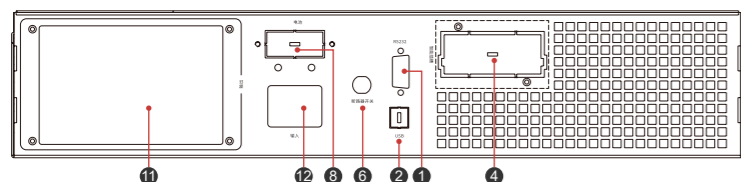
### Front & Rear Panel Instruction



1. LCD Display
2. LED Indicator
3. Action Button



1. RS232 Communication port
2. USB Communication port
3. EPO Port
4. Intelligent Slot
5. Fan
6. AC Input Circuit Breaker
7. AC Input
8. Battery +-
9. AC Output
10. Ground
11. Output
12. Input



### Specification

Model		H1KR	H1KRS	H2KR	H2KRS	H3KR	H3KRS	H6KRS	H10KRS		
Capacity	Rated Capacity	1KVA/1KW		2KVA/2KW		3KVA/3KW		6KVA/6KW		10KVA/10KW	
Input	Input connection type	L+N+PE									
	Rated input voltage	208/220/230/240VAC									
	Voltage range	110-300VAC									
	Frequency rage	50/60+HZ (default), ±10HZ (can be set)									
	Input power factor	≥ 0.99									
	Input THD	≤ 4% % linear load									
Output	Output connection type	L+N+PE									
	Output voltage	208/220/230/240VAC									
	Output accuracy	±1%									
	Output frequency	Mains mode:same as AC frequency, battery mode : 50/60HZ±0.1%									
	Output THD	≤2% linear load, ≤ 4% Non-linear load (PF=0.7)									
	Output power factor	1									
	Overload Capacity	AC mode : 30min@102%~110% Load 10min@110%~130% Load 30s@130%~150% Load 200ms@>150% Load			Battery mode : 10min@102%~110% Load 1min@110%~130% Load 10s@130%~150% Load 200ms@>150% Load						
Transfer time	AC mode switch to battery mode	0ms									
	mains inverter mode switch to bypass mode	4ms									
	AC priority mode	Support									
Overall Efficiency	AC Mode (Full Load)	94.5%@220VAC		95.5%@220VAC		95.5%@220VAC		Peak efficiency 95.5%, Full load efficiency 95%			
	Battery Mode (Full Load)	87.5% @24VDC	88.5% @36VDC	89.5% @48VDC	91.5% @72VDC	91.5% @72VDC	91.5% @96VDC	Peak efficiency 95.3%, Full load efficiency 94.8% (20pcs Battery)			
Battery	Battery type	Lead Acid Battery									
	Number of batteries	7Ah*2/3	/	7Ah*4	/	7Ah*6	/	/			
	Battery Charge Current	1KR-3KR:1A (default); 1-2A (can be set) 1KRS-3KRS:5A (default); 1-12A (can be set)						1-12A (can be set) 1A (default)			
	Charging Mode	Two-stage/three-stage charging									
Display	LCD	2x8 PIN/Pitch 2.54mm, support 128-bit segment code, up to 4 buttons + 4 LEDs, can display operating mode / load / input / output, etc									
Interface	RS-232	Support: Windwos 2000/2003/XP/Vista/2008/7/Linux/Unix and MAC									
	USB	Windows Family & MAC									
	Intelligent slot (Optional)	SNMP/AS400 Relay Card/RS485									
Environmental parameters	Operating ambient temperature	0~40℃									
	Operating environment humidity	20%~95% (No condensation)									
	Storage temperature	-15~60℃ ( Battery : 0~40℃ )									
	Altitude	The altitude should not exceed 1000m, derating above1000m, up to 4000m (max) , refer IEC62040									
	Noise	≤45db									
Mechanical Specifications	Dimensions (D*W*H) (mm)	438*420*88		438*600*88		438*420*88		438*600*88		438*420*88	
	Net weight (kg)	9.5/11.5	6	17	6.5	21.5	7	10 (without battery pack)		11 (without battery pack)	

The technical specifications of this document are subject to change without any notice