

EH9335 Series (10KVA-40KVA)

EH9335 is new generation of high-frequency online UPS developed, which use with Advanced DSP digital control technology. Effectively improve product performance and system reliability, and achieve higher power density, with features such as small size, light weight, and high work efficiency, etc.

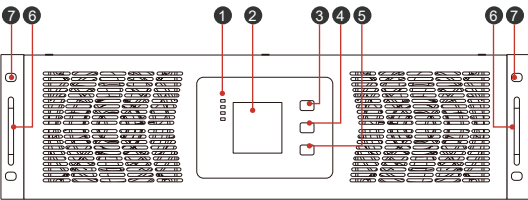
This series of UPS can solve almost all power problems, such as power outage, city power high voltage, city power low voltage, voltage drop, amplitude reduction, Power problems such as high voltage pulses, voltage fluctuations, surge voltages, harmonic distortion, clutter interference, and frequency fluctuations to provide the best power environment for the load. Adopt 3U rack structure to be installed easily.



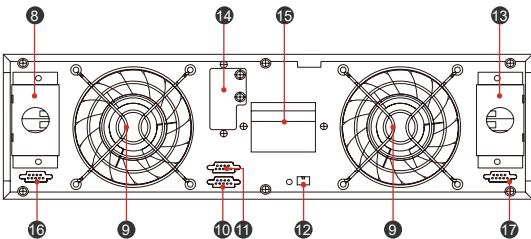
Product performance

- Double conversion online design, 0ms exchange output, single input and single output voltage.
- With DSP digital control technology, Excellent performance index, the control system more stable and reliable.
- With active power factor correction technique (PFC), Input power factor close to 1, greatly reducing the pollution of the electricity grid.
- Ultra-wide input voltage range.
- Input frequency range of 40~70Hz, to ensure access to a variety of fuel generators can work.
- LCD + LED using real-time display, the user can intuitively understand the operating state of the UPS.
- Has turned self-diagnostic function, can detect hidden faults of UPS.
- With AC input over-voltage and under-voltage protection, output overload protection, short-circuit protection, temperature protection, battery under-voltage warning protection and battery overcharge protection, etc.
- Overall efficiency 94.5% reduction in power loss of UPS, saving the user's cost.
- When there is no utility power, it can directly use the battery to start working.
- When the utility power is restored, the UPS can automatically turn on and charge the battery at the same time to realize the unattended function.
- When the electricity is interrupted, UPS will discharge untill power off during battery mode.
- The standard RS232 communication interface enables multi-functional and multi-purpose monitoring and management operations between the UPS and computer through a computer window, and an SNMP card (optional) can be installed to realize the UPS remote monitoring function.

Front & Rear Panel Instruction



1. LED instruction: warning, bypass output,battery output, electrity output
2. LCD display
3. Circuit button
4. Turn off button
5. Turn on button (Start button)
6. Handle
7. Set screw hole
8. Input port
9. Fan



10. RS485/RS232 port
11. SNMP cart port
12. EPO port
13. Output Port
14. Battery port
15. Input switch
16. Parallel port 1
17. Parallel port 2

Specification

Model		EH9335-10KRS	EH9335-15KRS	EH9335-20KRS	EH9335-30KRS	EH9335-40KRS
Capacity	RatedPower	10KAVA/9KW	15KVA/13.5KW	20KVA/18KW	30KVA/27KW	40KVA/32KW
Input	Input format	Three-phase four- line+ground				
	Rated input voltage	AC 380V/400V/415V				
	Voltage range	AC 208V~478V				
	Frequency range	45-55Hz at50Hz/54-66Hz at60Hz (Auto sensing)				
	Input power factor	≥0.99				
	Input current harmonic	≤3% (100% Nonlinear load)				
	Bypass range	Bypass protection voltage upper limit: 220V: +25% (Optional +10%, +15%, +25%) 230V: +20% (Optional+ 10%, +15%) 240V: +15% (Optional+10%)				
		Bypass protection voltage lower limit: -45% (Optional -20%-30%)				
Bypass frequency protection range: ±10%						
Output	Output	Three-phase four-line + ground				
	Output Voltage	AC 380V/400V/415V				
	Output power factor	0.8/0.9				
	Output range	±1%				
	Output frequency	Online Mode: following utility electricity frequency, battery mode: 50/60Hz±0.2%				
	Load peak ratio	3:1				
	Output harmonic distortion	≤ 2% Linear Load ≤ 5% Nonlinear Load				
	Battery	Battery Number	Optional: DC±192V/204V/216V/228V/240V (±16/17/18/19/20 pcs) Default: DC±192V			
Charging Current		10A max				
Protection	Overload Protection	Loading ≤ 110%, 60min; ≤ 125%, 10min; ≤ 150%, 1min; ≥ 150% change to bypass				
	Over temperature	Normal mode: change to bypass mode; Battery mode: stop output				
	Emergency shutdown (EPO)	Stop output				
Other	Change-over time	Utility mode to bypass mode: 0ms (tracking); utility mode to battery mode: 0ms				
	Normal mode (Full load)	≥efficiency 94.5%				
	Communication Connection	RS232,RS485,SNMP (Optional)				
	ECO mode	support				
	Self-test function	support				
	Parallel function	Max 4pcs				
Working environment	Working temperature	0~40℃				
	Storage Temperature	-25~55℃ (batteries: 0~40℃)				
	Relative humidity	0%~95% (no condensation)				
	Altitude	< 1500m, when above 1500m, when above 1500m, derate according to GB/T 3859.2				
Physical Characteristics	Size (D*W*H) (mm)	580*443*131				
	Net Weight (kg)	32	32.5	33	33.5	34