

EH9315 series (20KVA-40KVA)

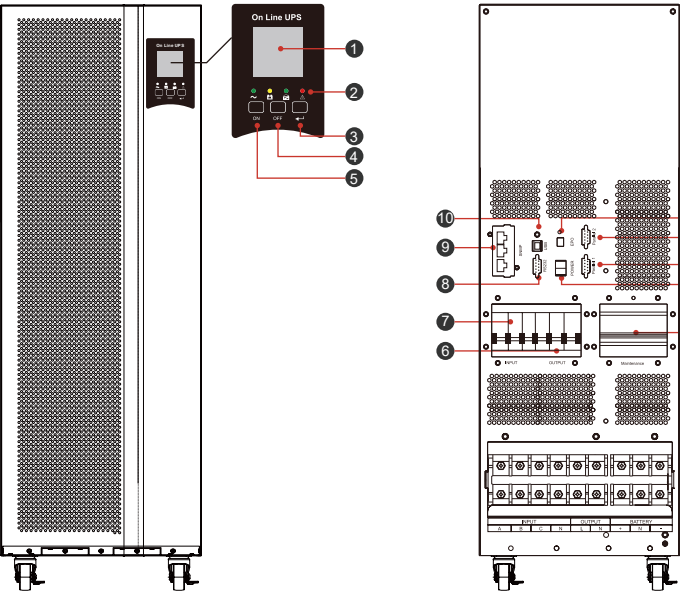
The EH9315 series is a new generation of high-frequency online UPS, which adopts advanced DSP digital control technology, which effectively improves product performance and system reliability. It has the characteristics of small size, light weight, and high work efficiency. Effectively solve power problems such as power failure, mains high voltage, mains low voltage, instantaneous voltage drop, damping oscillation, high voltage pulse, surge voltage, harmonic distortion, clutter interference, frequency fluctuations, etc., and provide the best power for the load environment.



Product performance

- Double conversion online design, output zero conversion time.
- Adopting DSP digital control, with excellent performance indicators, making the control system more stable and reliable.
- Using active power factor correction technology (PFC), the input power factor is close to 1, which greatly reduces the pollution to the mains grid.
- Ultra-wide input voltage range, the input voltage can be as low as 208V without switching to battery power supply.
- Automatically recognize and adapt to the 50/60Hz power system, can be connected to various fuel generators and can work stably.
- With LCD+LED real-time display, users can intuitively understand the UPS operating status.
- Self-diagnostic function at startup, which can detect the hidden failure of the UPS in time.
- With AC input over-voltage and under-voltage protection, output overload protection, short-circuit protection, temperature protection, battery under-voltage warning protection and battery over-charge protection, etc.
- The efficiency of the whole machine is as high as 94.5%, which reduces the power loss of the UPS and saves the user's use cost.
- The standard RS232 communication interface and an SNMP card (optional) can be installed to realize the UPS remote monitoring function.
- When there is no utility power, you can directly use the battery to cold start.
- With input phase sequence protection function, the phase sequence cannot be turned on when the phase sequence is reversed.

Front & Rear Panel Instruction



1. LCD Display
2. LED Indicator
3. Cycle Key
4. Shut Down Button
5. Power Button (Cold Start Button)
6. Output Switch
7. Input Switch
8. RS232 Communication Interface
9. SNMP Interface
10. USB Interface
11. EPO Interface
12. Parallel Connection 2
13. Parallel Connection 1
14. Power Switch
15. Maintenance Switch

Specification

Model		EH9315-20KS	EH9315-30KS	EH9315-40KS
Capacity	Rated Capacity	20KVA/18KW	30KVA/27KW	40KVA/32KW
Input	AC Input Connection Type	3W+N+PE		
	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 Harmonics	≤ 3% (100% Non-linear 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 bypass protection range: ±10%				
Output	AC Output Connection Type	L+N+PE		
	Output Voltage	220/230/240VAC		
	Output Power Factor	0.8/0.9		
	Output Accuracy	±1%		
	Output Frequency	Online mode: follow the mains frequency, battery mode: 50/60Hz±0.2%		
	Output Harmonic Distortion	≤ 2% linear load; ≤ 5% non-linear load		
Battery	Number Of Batteries	Optional: DC±192V/204V/216V/228V/240V (±16/17/18/19/20 pcs) Default: DC±192V		
	Recharging Current	10A max		
Other	Switching Time	Mains mode to bypass mode: 0ms; Mains mode to battery mode: 0ms		
	Normal mode (full load)	≥ Efficiency 94.5%		
	Communication Interface	RS232, RS485, SNMP card (optional), relay card (optional)		
Protection	Overload Protection	Load ≤ 110%, 60min; ≤ 125%, 10min; ≤ 150%, 1min; ≥ 150%, immediately transfer to bypass		
	Over Temperature Protection	Normal mode: switch to bypass mode; battery mode: turn off the output immediately		
	Emergency Shutdown (EPO)	Turn off output immediately		
	Maintenance Bypass	Standard maintenance bypass switch		
Working Environment	Operating Temperature	0~40℃		
	Storage Temperature	-25~55℃ (Battery: 0~40℃)		
	Relative Humidity	0%~95% (no condensation)		
	Altitude	Altitude < 1500m, when it exceeds 1500m, use derating according to GB/T 3859.2		
Physics Characteristic	Overall Volume (D*W*H) (mm)	690*250*734		
	Net Weight (kg)	46	47	48