

## EH5000 Series (10KVA-20KVA)

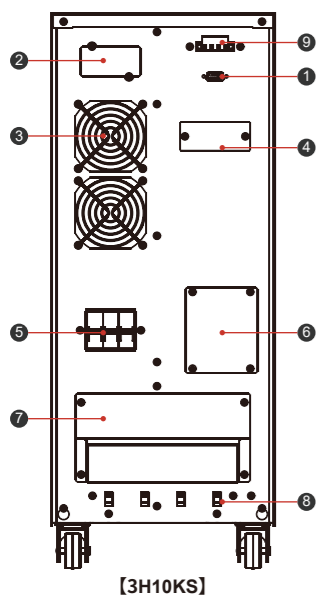
The EH5000 series is a new generation of high-frequency online UPS developed with advanced DSP digitization control technology, which effectively improves product performance and system reliability, with small size, light weight, and workmanship high efficiency. Effectively solves power outages, high-voltage mains, low-voltage mains, instantaneous voltage drops, Power problems such as ringing, high voltage pulses, surge voltage, harmonic distortion, clutter, frequency fluctuations, etc. Provide the best power environment for the load.



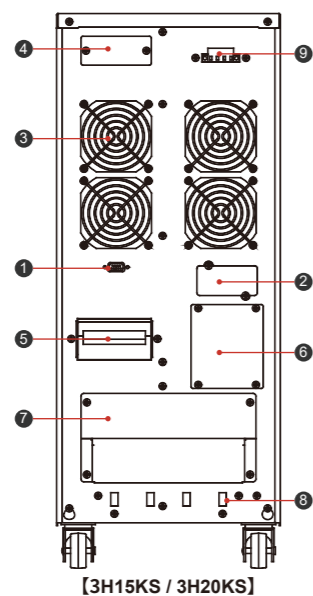
### Product performance

- Double conversion online design, output zero transfer time.
- Adopt DSP digital control, excellent performance indicators, make the control system more stable and reliable.
- Using active power factor correction (PFC), the input power is close to 1, large reduced pollution to the mains grid.
- Ultra-wide input voltage range, input voltage up to 210V without switch to battery power.
- Automatically recognize and adapt to 50/60Hz power system, can access various fuel generators can work stably.
- With LCD+LED real-time display, users can intuitively understand the UPS operating status.
- With self-diagnosis function, it can discover hidden faults of UPS in time.
- N+1 parallel redundant design, which can realize 3 parallel connections, greatly improving system reliability
- With AC input over-voltage, under-voltage protection, output overload protection, short circuit protection, temperature protection, battery under-voltage warning protection and battery overcharge protection.
- The machine efficiency is up to 90%, reducing the power loss of the UPS and saving user's cost.
- Standard RS232 communication interface allows the UPS to communicate with the computer through the computer window enables versatile, versatile monitoring and management operations and installs an SNMP card (Optional) Implement UPS remote monitoring.
- If there is no utility, you can use the battery to start cold.
- With input phase sequence protection, phase sequence can not be turned on.
- When the utility is interrupted, the UPS is discharged to the battery in battery mode; when the city power is restored, the UPS can be powered on automatically and the battery is charged for unattended operation.

### Front & Rear Panel Instruction



[3H10KS]



[3H15KS / 3H20KS]

1. Computer interface
2. Intelligent slot
3. Fan
4. Parallel cover (optional)
5. Input switch
6. Maintain switch cover (optional)
7. Terminal cover
8. Cable fix frame
9. EPO (optional)

### Specification

Model		3H10KS	3H15KS	3H20KS
Capacity	Rated Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW
Input	Voltage Range	210-475VAC		
	Frequency range	46-54Hz/56-64Hz 50/60Hz (Auto)		
	Phase	3phase		
	Distortion	<5%		
	Power factor	≥ 0.99		
	Generator Input	Support		
Output	Voltage	208VAC / 220VAC / 230VAC / 240VAC		
	Voltage Range	220VAC±1%		
	Frequency (same as frequency mode)	46-54Hz / 56-64Hz		
	Frequency (battery mode)	50±0.5Hz / 60Hz±0.5Hz		
	Crest ratio	3:1		
	Harmonic distortion	≤ 2%THD( Linear load )		
		≤ 5%THD( Nonlinear load)		
	Output Waveform	Pure sine wave		
	Socket	Terminal block		
	Overload	Line mode	105%-125%, 1min; 125%-135%, 30s; >135%,0.5s	
Battery mode		Load ≥ 105 % 30s		
Efficiency	Charge mode	90%		
	Battery mode	90%		
	Utility priority mode	97%		
Battery	Battery type	Depending on the capacity of the external battery		
	Battery number	16/20 pcs		
	Equipment time ( full load )	Depending on the capacity of the external battery		
	Charge time (90%)			
	Charge current ( max)	4A		
	Rated charging voltage	218.4 / 273VDC		
	Temperature test	Yes		
Transfer time	Utility mode to battery mod	0ms		
	Inverter mode to bypass mode	0ms		
Other	Utility priority mode	Support		
	Normal mode (constant voltage constant frequency)	Support		
	Parallel redundancy	Three Sets( Max)		
	LCD display	Load / Battery / Input / Output / Operating Mode		
Beep sound	Battery mode	beep every 4 seconds		
	Low electricity	beep every second		
	Overload	beep 2 every second		
	Malfunction	Continuous beeping		
Mechanical Specifications	Dimension (D*W*H)mm	248*500*616		
	Net weight (kg)	27	35	35
Environment	Operating environment	0~40 °C		
	Relative humidity	20~90%( No condensation )		
	Noise intensity	<55db@1Meter		<60db@1Meter
Interface	Micro RS-232	Support Windows, Linux, Sun Solaris, IBM AIX, Compaq True64, SGIRIX, FreeBSD, HP-UX and MAC		
	USB (optional)	Windows family & MAC		
	Slot (optional)	SNMP / AS400 Relay car / RS485		
	EPO (optional)	Support emergency shutdown		

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