

EH5500 Series (6KVA-10KVA Split type)

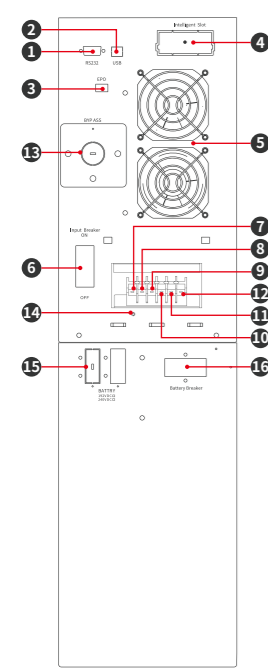
The EH5500 series is a new type high-frequency online UPS. Adopts advanced DSP digital control technology to effectively improve product performance and system reliability, and higher power density small size, light weight and high work efficiency. Effectively solve power problems such as power cut-off, 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.



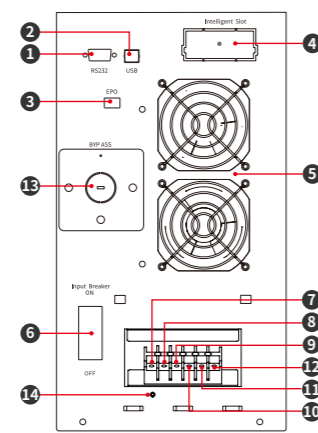
Product performance

- 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 input power factor is 1, can reduced the pollution to the grid, to energy saving and reducing system investment cost.
- Output voltage 208Vac/220Vac/230Vac/240Vac can be set.
- Ultra-wide input voltage range , input voltages available 110V instead of turn to battery power.
- With LCD+LED real-time display, UPS operating available for Detection.
- With self-detection function, can detect hidden faults of UPS.
- Cold start by battery without grid Input.
- Input frequency range 40~70Hz, support various fuel generators.
- 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.
- Output power factor 1.0 for your option. max efficiency reach 95%, reduce loss of UPS.
- 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
- The split type model can directly replace the entire built-in battery pack, avoiding safety accidents caused by battery replacement.

Front & Rear Panel Instruction



[6/10K Split type]



[6/10K Long-Term Mode]

1. RS232 Communication port
2. USB Communication port
3. EPO Port
4. Intelligent Slot
5. Fan
6. Input Protect Switch
7. AC Input N
8. AC Input L
9. Battery +
10. Battery -
11. AC Output L
12. AC Output N
13. Maintain Switch Cover (optional)
14. Ground
15. Battery external port
16. Battery air circuit-breaker

Specification

MODEL		EH55 6KS	EH55 6K Split Type	EH55 10KS	EH55 10K Split Type
Capacity	Rated Capacity	6KVA/6KW		10KVA/10KW	
Input	Input format	L+N+PE			
	Rated input voltage	208/220/230/240VAC			
	Voltage range	110~300VAC			
	Frequency range	50/60±6Hz (Default), ±10Hz (Settable)			
	Input power factor	≥0.99			
	Input total harmonic distortion	≤4% inear load; ≤6% non-linear load (PF=0.7)			
Output	Output format	L+N+PE			
	Output voltage	208/220/230/240VAC			
	Output accuracy	±1%			
	Output frequency	For on-line mode: follow current frequency, battery mode: 50 / 60Hz±0.1%			
	Output harmonic distortion	≤ 2% linear load; ≤ 4% nonlinear load (PF=0.7)			
	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		
Switching time	Switch to battery mode	0ms			
	Switch to bypass	4ms			
	AC priority mode	Support			
Efficiency	AC Mode (Full Load)	Peak efficiency 95.5%, Full load efficiency 95%			
	Battery Mode (Full Load)	Peak efficiency 95.3%, Full load efficiency 94.8% (20pcs Battery)			
Battery	Battery type	Lead Acid Battery			
	Battery number	16/18/20 (adjustable) 16 (default)	7Ah*16	16/18/20 (adjustable) 16 (default)	9Ah*16
	Chaging current	1-12A (adjustable)	1A (default)	1-12A (adjustable)	1A (adjustable)
	Inside batteries	/	Separable	/	Separable
	Charging mode	Two-stage/three-stage charging			
	Display	LCD	2×8 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: Windows 2000/2003/XP/Vista/2008/7/Linux/Unix and MAC			
	USB	Windows Family & MAC			
	EPO	Support			
	Intelligent slot (Optional)	SNMP/AS400 Relay Card/RS485			
	Maintenance bypass switch (Optional)	Support			
Environmental parameters	Operating ambient temperature	0~40°C			
	Operating environment humidity	20%~95%(no condensation)			
	Storage temperature	-15~60°C (batteries: 0~40°C)			
	Altitude	The elevation should not exceed 1000m, 1000m or above, up to 4000 m, reference IEC62040			
	Noise	≤50db			
Mechanical Specifications	Dimensions (D*W*H) (mm)	460*200*360	460*200*700	460*200*360	460*200*770
	Net weight (kg)	13	62	13	64

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