

EH5500 series (6KVA-10KVA Integrated / Split type)

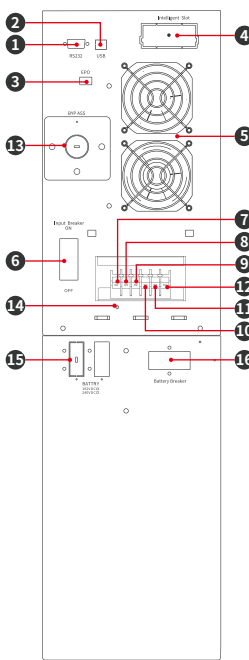
The EH5500 series is a new type high-frequency online UPS. Adopts advanced DSP digital control technology to effectively improve product performance and system reliability, and higher power density small size, light weight and high work efficiency. Effectively solve power problems such as power cut-off,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



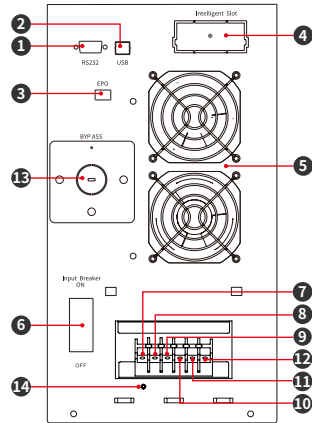
Product performance

- 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 protectionand 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 integrated/split type】



【6/10K Long-Term Mode】

- RS232 Communication port
- USB Communication port
- EPO Port
- Intelligent Slot
- Fan
- Input Protect Switch
- AC Input N
- AC Input L
- Battery +
- Battery -
- AC Output L
- AC Output N
- Maintain Switch Cover (optional)
- Ground
- Battery external port
- Battery air circuit-breaker

Specification

| MODEL | | EH55 6KS | EH55 6K | | EH55 10KS | EH55 10K | |
|---------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|------------|
| | | | Integrated Type | Split Type | | Integrated Type | 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: 1min@102%~110% Load 10s@110%~130% Load 3s@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 | / | Inseparable | Separable | / | Inseparable | 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℃ | | | | | |
| | Operating environment humidity | 20%~95%(no condensation) | | | | | |
| | Storage temperature | -15~60℃ (batteries: 0~40℃) | | | | | |
| | 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