

EH5500 TLV Series (6KVA-10KVA)

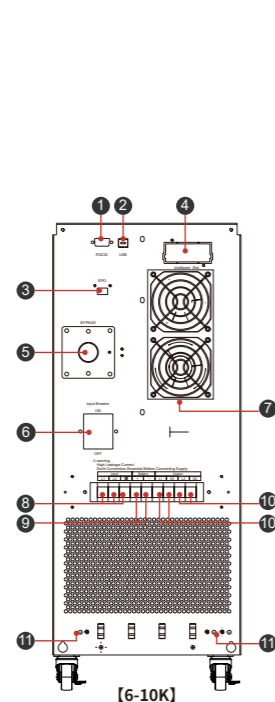
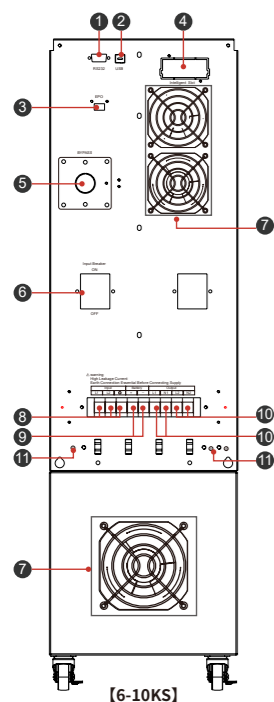
The EH5500 series is a new type high-frequency online UPS. Adopts advanced DSP digital control technology to effectively improve product performance and system reliability, and higher power density small size, light weight and high work efficiency. Effectively solve power problems such as power cut-off, 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 100Vac/110Vac/115Vac/120Vac/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



1. RS232 Communication port
2. USB Communication port
3. EPO Port
4. Intelligent Slot
5. Bypass switch
6. Input Protect Switch
7. Fan
8. AC Input
9. Battery Input
10. AC Output
11. Ground

Specification

MODEL		EH55 TLV 6K	EH55 TLV 6KS	EH55 TLV 10K	EH55 TLV 10KS
Capacity	Rated Capacity	6KVA/6KW		10KVA/10KW	
Input	Input format	L+N+PE			
	Rated input voltage	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% linear load			
Output	Output format	L+N+PE			
	Output voltage	100/110/115/120VAC; 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; ≤ 5% 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 1s@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 94%			
	Battery Mode (Full Load)	Peak efficiency 94.5%, Full load efficiency 94.3% (20pcs Battery)			
Battery	Battery type	Lead Acid Battery			
	Battery number	7Ah*16	16/18/20 (adjustable) 16 (default)	7Ah*16	16/18/20 (adjustable) 16 (default)
	Chaging current	1A (default)	1-12A adjustable (default 5A))	1A (default)	1-12A adjustable (default 5A))
	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			
Mechanical Specifications	Noise	≤50db			
	Dimensions (D*W*H) (mm)	500*250*610	500*250*850	500*250*610	500*250*850
	Net weight (kg)	93	59	102	60.5