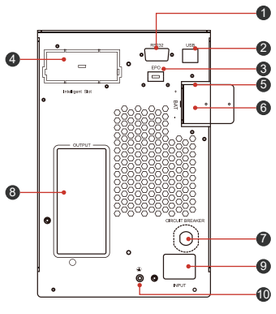
EH5500 Series (1KVA-3KVA)

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.

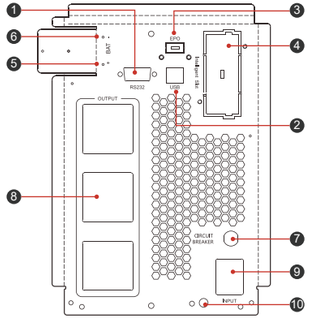
Product performance

- With double conversion online design, zero output transfer time.
- Adopt DSP digital control, excellent performance indicators, more steady and reliable.
- Adopt the technology of active power factor correction technology (PFC), the input power factor is close to 1, which greatly reduces the pollution to the mains power grid, and achieves the purpose of energy saving and reducing system investment costs.
- 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 max. efficiency reach 95% , reduce loss of UPS .
- When utility cut-off, the UPS discharge battery in the battery mode; when the city power is recovery ,UPS turn on automatically,and charge battery at the same time, asunattended function.
- 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
- With 3-5 minutes can work when on full loads.

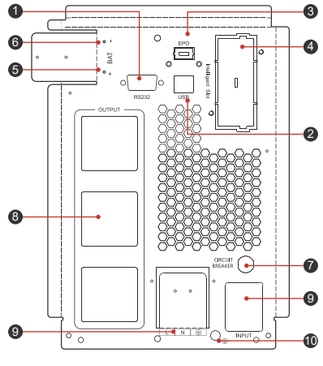
Front & Rear Panel Instruction



【H1K】



【H2K】



【H3K】

1. RS232 Communication port
2. USB Communication port
3. EPO Port
4. Intelligent Slot
5. Battery +
6. Battery -
7. Input Switch
8. AC Output
9. AC Input
10. Ground

MUST®
Solar Power System

Specification

Model		H1K	H1KS	H2K	H2KS	H3K	H3KS
Capacity	Rated Capacity	1KVA/1KW		2KVA/2KW		3KVA/3KW	
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% linear load					
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)					
	PF	1					
	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)	94.5%@220VAC		95.5%@220VAC		95.5%@220VAC	
	Battery Mode for without built-in battery (Full Load)	88.5%@36VDC		91.5%@72VDC		91.5%@96VDC	
	Battery Mode for with built-in battery (Full Load)	87.5%@24VDC		89.5%@48VDC		91.5%@72VDC	
Battery	Battery type	Lead Acid Battery					
	Battery number	7Ah*2/7Ah*3	/	7Ah*4/7Ah*6	/	7Ah*6/7Ah*8	/
	Chaging current	Built-in battery 1K-3K: 1A (Default) 1-2A (Adjustable) Without built-in battery 1KS-3KS: 5A (Default) 1-12A (Adjustable)					
	Charging mode	Two-stage/three-stage charging					
Display	LCD	2×8PIN/Pitch2.54mm, support 128-bit segment code, up to 4 buttons + 4 LEDs, can display operating mode / load / input / output, etc.					
Interface	RS-232	Support: Windwos 2000/2003/XP/Vista/2008/7/Linux/Unix and MAC					
	USB	Windows Famlly & MAC					
	Intelligent slot(Optional)	SNMP/AS400 Relay Card/RS485					
	EPO (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	≤45db					
Mechanical Specifications	Dimensions (D*W*H) (mm)	285*143*222		395*143*222		455*190*330	395*143*222
	Net Weight (kg)	7.5/10.5	3.5	14/16	5.5	22/26	5.7