

EH9115 Series (3KVA-30KVA)

EH9115 series single phase input and output low frequency online UPS .Adopts advanced full DSP digital control technology to realize the leap from analog to digital.

MUST UPS combined the mature technology of high-frequency UPS, which is able to cope with power outages, high or low mains voltage, transient voltage dips or oscillations , high-voltage pulses, voltage fluctuations, surge volt age, and spectrum loss, which often occur in harsh environments. voltage dip s or oscillation s, high voltage pulses, voltage fluctuations, surge voltages, spectral distortions, noise interference, frequency fluctuations, etc,and provide a reliable power supply guarantee.



Product performance

Full Digital Control

Applying full digital control technology based on DSP, That is ensure output pure sine wave, And make the UPS output is stable and safe.

Output isolation transformer

Effectively block the impact of the load on the UPS, ensuring safe and reliable operation of the load.

Strong load capacity

The UPS output has good dynamic characteristics and strong impact resistance. It can achieve 0 to 100% load change without switching to bypass, and it has a strong ability to mix loads.

Transfer time

The transfer time between inverter mode and bypass mode is less than 4ms.It guarantees safe and reliable operation of the load.

Cold start

DC start (cold start), convenient to operate.

Working mode: ECO, EPO

The rectifier and inverter can be turned off by the "emergency stop" button, and the output (including side circuit and inverter), this button can be used in case of emergency or failure to shut down properly.

Auto re-start function (Optional)

When the utility is abnormal, the battery mode is powered until it is automatically turned off. When the utility returns to normal, The UPS can choose automatic or manual restart. And return to normal power supply

Complete security protection

With input and output over and under voltage protection, battery overcharge and over discharge protection, output overload protection and beep functions such as short circuit protection and over temperature protection.

Ultra-wide input voltage range

Provides complete protection for critical equipment in a variety of harsh electrical environments.

Self-diagnose function

When the power is turned on, the UPS starts to automatically check the critical working circuits. It is convenient to find problems in time and avoid any loss. Parallel system adopts advanced synchronous current sharing control technology.

Specification

MODEL		EH9115-3KS	EH9115-6KS	EH9115-10KS	EH9115-15KS	EH9115-20KS	EH9115-30KS
Capacity	Rated Capacity	2.4KW	4.8KW	8KW	12KW	16KW	24KW
INPUT	Voltage Range	220VAC±25%					
	Frequency range	50 Hz/60Hz±5%(optional±10%)					
	Power Factor	≥ 0.99					
OUTPUT	Rated Voltage	220VAC±1%					
	Frequency	50/60Hz±0.5% (battery mode)					
	Waveform Distortion	Pure sine wave, ≤5% for resistive load; ≥3% for non-linear load					
	Imbalance of parallel	Over load 125% can last 2 minutes, over load 150% can last 30 seconds					
	Overload Capacit	3:1					
	Wave Crest Coefficient	<5%					
BATTERY	Rated Voltage	192VDC					
	Battery Type	Lead Acid Battery					
	Battery Number	12VDC*16 PCS					
	Back-up time for battery built-in type	Extra battery (back-up time is determined by battery capacity)					
Other	Transfer Time	AC–battery 0ms ; Inverter–bypass < 4 ms					
	Ingress Protection	IP20					
	Conversion Efficiency	≥85%(full loading)					
ENVIRONMENT	Operating environment	0°C ~45°C					
	Relative humidity	0~93%(No condensation)					
	Altitude	≤ 1500 meter					
	Noise intensity	<53 dB(1 meter)	<55 dB(1 meter)			<58 dB(1 meter)	
Mechanical Specifications	Dimension (D*W*H)mm	533*260**501	560*260*717		655*370*900		830*455*1055
	N. Weight (kg)	40	65	79.5	122	152	210