

MUST EH9115 Series are 3 phases in single phase out UPS. The capacity ranged from 7.5KVA to 50KVA. This series have applied full digital control technology based on DSP (digitized signal processor). IGBT transformation endures high power current and high voltage with an extremely low consumption. The machine can run self-diagnose, and with standard RS232 for SNMP or RS485 cards, they are conveniently managed by central monitoring and remote monitoring Redundancy Parallel Array technology is available with this series. RPA function can operate on up to 32 units.

Application field

IT Device
Data Center
Telecommunication
Banking
Industry
Commercial Facility
Medical Equipment



»» Product performance

- Full digital control
Application of composite control technology to achieve high output dynamic regulation and reduce output voltage distortion, improved output waveform accuracy, strong impact resistance, making the load from 0 to 100% transition without switching to bypass, the output is stable and reliable.
- Output isolation transformer
Effectively block the impact of the load on the UPS, ensuring safe and reliable operation of the load.
- Transfer time
The transfer time between inverter and bypass is less than 2ms. It guarantees safe and reliable operation of the load.
- Cold start
AC start (cold start), convenient to operate;
- Parallel (redundant parallel) function
Up to 32 UPS parallel units can be implemented.
- Display
User-friendly Chinese and English LCD screen and intuitive LED indication and monitoring.
- Ultra-wide input voltage range
Provides complete protection for critical equipment in a variety of harsh electrical environment.
- Auto re-start function
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 above 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.
- Self-diagnose function
When the power is 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
- Wi-Fi function Optional
- Intelligent detection and monitoring function
The microprocessor monitors the working status of the circuit in real time, and immediately protects and beeps if there is a fault.

»» TECH SPECS

MODEL		7.5KS 3/1	10KS 3/1	15KS 3/1	20KS 3/1	30KS 3/1	40KS 3/1	50KS 3/1
Rated power		7.5KVA/6KW	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KA/24KW	40KVA/32KW	50KA/40KW
INPUT	Rated Voltage	3 phases 5 wires 380V± 25%(285V-475V)						
	Frequency	50 Hz/60Hz ±5%(optional ±10%)						
	Power Facto	≥0.9						
OUTPUT	Rated Voltage	220V±1%						
	Frequency	50/60Hz±0.5% (inverted tense)						
	Waveform Distortion	Pure sine wave, ≤ 2.5% for resistive load; ≤ 3% for non-linear load						
	Overload Capacity	Over load 125% can last 10 minutes, over load 150% can last 60 seconds						
	Wave Crest Coefficient	5:1						
	Parallel load current imbalance	<±5%						
BATTERY SYSTEM	Rated Voltage	384VDC (192VDC customized)						
	Battery Type	Lead-acid batteries						
	Battery Nos.	12VDC*32pcs						
	Back-up Time	External battery (backup time is determined by battery capacity)						
SYSTEM	Transfer Time	AC–battery 0ms ; Invert–bypass < 2 ms						
	Ingress Protection	IP20						
	Conversion Efficiency	≥85%(full loading)						
ENVIRONMENT	Temperature	0°C-45°C						
	Humidity	0 -93% RH,non-condensing						
	Altitude	≤ 1500m						
	Noise	<53dB(1 meter)		<55dB(1 meter)			<58dB(1 meter)	
WEIGHT	W*D*H(mm)	410*752*941						
SIZE	N. Weight (kg)	110	115	125	135	165	199	240
	G. Weight (kg)	143	148	158	168	198	232	273