

EH9115 series is a high-end three-input and three-out double-conversion UPS product carefully designed by the MUST.

The product adopts innovative design, integrated concept, with many patents. There has been a significant increase in energy efficiency, reliability and eco-friendly. Product performance indicators have reached the international leading level, product adopt multiple DSP / MCU / CPLD combined to achieve full digital control, could realize 8 sets UPS independent parallel operation directly, without host and auxiliary difference . It has a very high cost performance and is the best choice for industries with high power supply requirements.

Application field

IT Device
Data Center
Telecommunication
Banking
Industry
Commercial Facility
Medical Equipment



»» Product performance

- Three phase in and three phase out on line double conversion structure, adopt advanced rectification and IGBT inverter control technology ,support 380/400/415V, 50/60Hz power grid system.
- Wide input voltage, frequency range, superior grid adaptability.
- Multiple DSP / MCU / CPLD combined for full digital control.
- Output power factor is 0.9, stronger load capacity, and the load capacity is higher than the traditional power factor 0.8.
- Adopting active power factor correction (PFC) technology, the input power is close to 1, greatly reducing the pollution to the utility grid.
- Full digital independent master-slave parallel current sharing control technology, up to 8 sets im parallel.
- Superior output overload capability to ensure system stability and system safety under extreme conditions.
- Advanced battery intelligent management and scientific battery automatic maintenance ensure high battery life.
- Control power system redundancy design to ensure the reliability of the control system.
- The cooling system is designed independently and has multiple protections inside and outside the system. It ensures reliable operation of the system in harsh environments.
- Multiple harmonic suppression technologies to ensure the system is green.
- Double conversion online technology, output transformer isolation, completely isolated the impact of the utility and oil machine on the load.
- Rich communication interfaces and options:
Built-in multiple communication interfaces (RS232-RS485) and dry contact interface
Access to multiple options: SNMP network communication card, battery temperature transmitter, parallel components, etc.
- 6-inch LCD display, rich information display, friendly interface, convenient for customers.

»» TECH SPECS

Model Code		G250KVA3/3	G300KVA3/3	G400KVA3/3	G500KVA3/3	G600KVA3/3	G800KVA3/3
Capacity		250KVA/225KW	300KVA/270KW	400KVA/360KW	500KVA/450KW	600KVA/540KW	800KVA/720KW
Main Road	Input Way	Three phase + G					
	Rated AC input	380/400/415VAC					
	Voltage Range	285-498VAC					
	Rated Frequency	50/60HZ					
	Input Frequency Range	45-65HZ					
	Input power slow-start delay	5-600 second can set					
	Rectifier soft start	6-100 second can set					
	Power factor	0.95(with harmonic filter)					
Bypass	Rated AC input	380/400/415(Three phase + ground wire)					
	Voltage Range	±10% ±15% ±20% can set					
	Frequency Range	40-70HZ(±2.5% ±5% ±10% can set)					
Output	Rated AC Output	380/400/415VAC					
	Voltage Regulation accuracy	±1%(100% Balanced load), ±2%(100% unbalanced load)					
	Power Factor	0.9					
	Voltage Dynamic Transient	±5%(0-100% load change)					
	Waveform Distortion	linear loads ≤1% ; non-linear load ≤3%					
	Voltage dynamic response time	<5ms					
	Frequency synchronization tracking range	Default ±2HZ (±0.5-±3Hz can be set)					
	Inverter overload capability	Inverter operation with output power factor of 0.9: 105% long-term, 110% 1 hour, 125% 10 minutes, 150% 1 minute					
	Frequency Accuracy	±0.05%					
	Wave Type	Pure sine wave					
Effectiveness	Inverter Mode	0.94					
	ECO Mode	0.98					
Others	Number of parallel machines	8 sets at most					
	Number of Batteries	12 PCS 32PCS (30-34pcs can adjust)					
Display Description	Machine Depth(mm)	855					
	Machine Height(mm)	1900					
	Machine Width(mm)6 pulses	1640		2265		-	
	Machine Width(mm)12 pulses	2265		2700	3000	3800	
	Machine N.W(kg)6 pulse	1630		2150		-	
	Machine N.W(kg)12 pulses	2290		2500	3000	3500	4100
Environment	Temperature	0-40°C					
	Humidity	0~95% RH.non-condensing					
	Noise	67dB			71dB	73dB	76dB
Control management	RS232/RS485	Support Windows XP/7/8/Linux/Mac					
	Optional SNMP card	Support remote monitoring and management by an SNMP administrator through a web browser					
Standards Compliant	Safety Regulations	IEC60950-1, IEC62040-1-1					
	Electromagnetic Compatibility	IEC62040-2, IEC62040-3					