

HS33 10KVA - 160KVA

High Frequency Online UPS HS33 Series

HS33 Series 10KVA - 160KVA (3ph in/ 3ph out)

Key Features:

- supporting 380/400/415V,50/60Hz power grid system, providing the best power supply quality and load protection.
- Digital circulation control technology with high reliability.
- Strong load adaptability, strong overload and short circuit capability.
- Ultra-wide input voltage and frequency range, adapt to harsh power grid environment, adapt to various fuel generators access.
- The input power factor is up to 0.99, the input harmonic current is less than 3%, and the efficiency of the whole machine is more than 95%. It is green, environmentally friendly, efficient and energy-saving.
- DSP fully digital control, realizing the whole digital control of rectification, inverter, charging and discharging power conversion links.
- Intelligent battery management scheme to extend the service life of batteries.
- The system adopts modular design, and the performance is stable and reliable.
- All fans in the system are designed with redundancy, which greatly improves the reliability of the system.
- The EPO emergency shutdown function can be realized.
- Very long average trouble-free time (> 200,000h) and very low average maintenance time (<0.5h).
- Rich options: Dust-proof network, built-in SNMP network communication card, lightning protection module, battery temperature compensation, mobile phone SMS alarm.
- All circuit boards are made with three protection processes.
- The traditional module machine can be replaced by parallel machines, eliminating the high cost of module cabinets



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Technical Specification:

Model	HS33 10K	HS33 20K	HS33 30K	HS33 40K	HS33 60K	HS33 80K
Capacity	10KVA / 9KW	20KVA / 18KW	30KVA / 27KW	40KVA / 36KW	60KVA / 54KW	80KVA / 72KW
Mains Input						
Input Voltage	380V / 400V / 415VAC					
Input Ways	Three Phase Four Wire					
Input PF	>0.99					
THD	<3%					
Voltage Range	+25%~-25%, full load / 25%~-40%, the load carrying capacity is linearly reduced between 100% and 70%					
Frequency Range	40-70HZ					
Bypass Input						
Input Voltage	380V / 400V / 415VAC					
Voltage Range	-50%-20%					
Frequency Range	50/60Hz ± 1% (Adjustable)					
Output						
Output Voltage	± 0.5% (Balanced Load)					
Dynamic Voltage Transients	2% (0 to 100% Load Variation)					
Voltage Distortion Rate	THD <0.5% (Linear Load) / THD <3% (Nonlinear Load)					
PF	0.9					
Frequency Tracking Range	50/60Hz±3Hz, Configurable					
Frequency Accuracy	±0.01%					
Three-phase Phase Accuracy	120°±0.5°					
Voltage Unbalance Degree	± 3% (100% unbalanced load)					
Frequency Tracking Rate	0.5Hz/s to 5Hz/s, configurable					
Peak Ratio	3:01					
Overload	105% long working / 110%,1h /125%,10min / 150%,1min />150%, shut down immediately					
System						
Efficiency	Normal Mode: 95%; Economy Mode: 99%					
Battery Efficiency	95%					
Battery Configuration	12V,32 sections (±16~±20 sections optional)					
Display	LCD+LED					
EMI	IEC62040-2					
EMS	IEC61000-4-2(ESD) / IEC61000-4-3(RS) / 61000-4-4 (EFT) / IEC61000-4-5 (Surge)					
Insulation Resistance	>2M (500VDC)					
Insulation Strength	(Input/Output to ground) 2820Vdc, leakage current less than 3.5mA, no arc for 1 minute					
Surge Protection	The installation position requirements of class iv specified in IEC60664-1 shall be met, that is, the ability to withstand 1.2/50us+8/20us mixed wave shall not be less than 6KV/3KA					
Protection Level	IP20					
Communication Port	RS232, RS485, Dry Contact, SNMP Card, EPO, Generator Interface					
Connection Way	Backline					
Temperature	0-40°C					
Relative Humidity	0-95% (No Condensation)					
Noisy (dB)	<55dB					
Physical Parameter						
Weight (Kg)	41	43	44	45	87	Eighty Nine
Size DxWxH(mm)	703*252*532				703*300*932	
*Product Specifications are Subject to Change Without Notice.						