

HS33 60KVA - 200KVA

High Frequency Online UPS HS33 Series

HS33 Series 60KVA - 200KVA (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

Technical Specification:

Model	HS33 60K	HS33 80K	HS33 100K	HS33 120K	HS33 160K	HS33 200K
Capacity	60KVA / 54KW	80KVA / 72KW	100KVA / 90KW	120KVA / 108KW	160KVA / 144KW	200KVA / 180KW
Mains Input						
Input Voltage	380V / 400V / 415VAC					
Operating Voltage Range	138 ~ 485Vac					
Input Ways	Three Phase Four Wire					
Input PF	>0.99					
THD	<3% (100% non-linear load)					
Frequency Range	40-70HZ					
Bypass Voltage Range	220Vac Max.voltage: +25%(optional +10%, +15%, +20%) 230Vac Max.voltage: +20%(optional +10%, +15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%, -30%) Frequency synchronize tracing range: ±10%					
Generator Input	Support					
Output						
Output Voltage	380V / 400V / 415VAC					
Voltage Regulation	±1%					
Output Frequency	1.Line Mode: synchronize with input; when input frequency >±10% (±1%/±2%/±4%/±5% (optional) 2.Battery Mode: 50/60 (1±0.02%)Hz					
Power Factor	0.9					
THD	≤2% with linear load ; ≤4% with non linear load					
Peak Ratio	3:1					
Efficiency	95.5%					
Battery						
Battery Voltage	±180V / ±192V / ±204V / ±216V / ±228V / ±240V / ±252V / ±264V / ±276V / ±288V / ±300Vdc (30 / 32 / 34 / 36 / 38 / 40 / 42 / 44 / 46 / 48 / 50pcs (optional)					
Charge Current(A) (charge current can be set according to battery capacity installed)	Max. 15A	Max. 15A	Max. 30A	Max. 30A	Max. 45A	Max. 45A
System Features						
Transfer Time	Utility to Battery : 0ms; Utility to bypass: 0ms					
Overload	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min					
Alarm	Overload, utility abnormal, UPS fault, battery low, etc.					
Backfeed	Support					
Protection	Short circuit, overload, over temperature, battery low, fan fault alarm.					
Environmental						
Protection Level	IP20					
Communication Port	USB, RS232, RS485, Parallel port, REPO port, LBS port, Backfeed port, Intelligent slot, SNMP card (optional), Relay card (optional)					
Temperature	0-40°C					
Storage Temperature	-25°C~55°C (no battery)					
Relative Humidity	0-95% (No Condensation)					
Noisy (dB)	<55dB					
Physical Parameter						
Weight (Kg)	70.5	75	160	162	196	198
Size D*W*H(mm)	865*250*862			885*440*1200		
*Product Specifications are Subject to Change Without Notice.						