



High reliability design

Wide input voltage range 138~485Vac (Phase voltage 80~280Vac), no derating when input voltage \geq 305Vac.

Power saving

High input power factor, it can be up to 0.99.

Three level inverter topology, the efficiency can be up to 96%.

Parallel redundancy function

Support parallel expanded operation: maximum is 6 units.

Support sharing batteries for the UPS in parallel.

Flexible battery configuration

Batteries number of each group can be selected from 30 pieces to 50 pieces.

Large charging current can meet the requirement of long time backup.

Strong load capacity

Output power factor is 0.9, UPS can supply power to 100% unbalance load.

High adaptability for load, it can connect full inductive load or capacitive load.

Compatible with generator

Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator.

LBS function

LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.

Intelligent management

Support RS485, RS232, SNMP, dry contact card.

SPECIFICATIONS

MODEL		HD-50KH3	HD-60KH3
Capacity		50kVA/45kW	60kVA/54kW
INPUT			
Nominal voltage		380/400/415Vac (3Ph+N+PE)	
Operating voltage range		138~485Vac for 40% load, 305~485Vac for full load	
Operating frequency range		40~70Hz	
Power factor		≥0.99	
Harmonic distortion (THDi)		≤3% (100% Linear load)	
Bypass voltage range		+25%~-45%	
Generator input		Support	
OUTPUT			
Output voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		±1%	
Power factor		0.9	
Output Frequency	Line Mode	Synchronize with input; when input frequency > ±10%, output (50/60 ±0.1)Hz	
	Bat. Mode		
Crest factor		3:1	
Harmonic distortion (THDv)		≤1% Linear load; ≤4% Non linear load	
Transfer time	Utility to Battery	0ms	
	Utility to Bypass	0ms	
Output waveform		Pure Sinewave	
Overload	INV mode	110%: 60min; 125%: 10min; 150%: 1min	
	Bypass mode	135% overload for long time; >1000% for 100ms	
BATTERY			
Battery voltage		384VDC (default) - 32pcs 12V batteries	
Charge Current		Max. current 20A	
SYSTEM			
Efficiency		96%	
Display		LCD	
Alarm		Overload, Utility anormal, Fault, battery low...	
Protection		Short circuit, overload, overtemperature, battery low, fan fault alarm	
Backfeed protection		Support	
Communications		USB, RS485, Parallel ports, Dry contact, intelligent slot. SNMP card and relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0~40°C	
Storage temperature		-25~55°C (No battery)	
Humidity range		0~95% (Non condensing)	
Altitude		<1500m, derating required when>1500m	
Noise level		<55dB	<58dB
PHYSICAL			
Dimension D×W×H (mm)		828*250*868	
Net weight (kg)		80	83
STANDARDS			
Safety		IEC/EN62040-1, IEC/EN60950-1	
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5 IEC61000-4-6, IEC61000-4-8	

***Specifications are subject to change without notice