

KHT33 Series Tower Online UPS
10-40kVA (380V/400V/415V)

KHT33 series three phase UPS offers advanced technology that increase performance and reliability: three high speed DSP's with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. It also offers humanization design: full front access of serviceability and user friendly interface.



Application

- IDC(Internet Data center),ISP,IT Room, Service Center Precision instruments,Intelligent equipments

Features

- High efficiency, up to 96%
 - High input PF > 0.99; Input current THDi < 3%
 - Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
 - Battery cold start
 - Battery management with smart charging control, greatly extend the battery life
- High power density
 - Parallel up to 8 units
 - Modular design of subsystem, convenient for field maintenance
 - Friendly operation interface, color touch LCD screen



Specification							
Model			KHT33010XS KHT33010XL	KHT33015XS KHT33015XL	KHT33020XS KHT33020XL	KHT33030XS KHT33030XL	KHT33040XS KHT33040XL
System capacity			10kVA	15kVA	20kVA	30kVA	40kVA
Input	Dual input		Yes, standard				
	Phase		3 phase + neutral + ground. 380V/400V/415V (line-line)				
	Input voltage range		304 to 478Vac (line-line) @ full load				
	Rate Frequency		50/60Hz				
	Input frequency range		40Hz to 70Hz				
	Input PF		>0,99				
	Input THDi		<3%				
Bypass	Rated voltage		380V/400V/415V (line-line)				
	Rated frequency		50/60Hz				
	Input Voltage range		Settable from -40% to +25%				
	Bypass frequency range		Settable from +5Hz to -5Hz				
	Bypass Overload		125% long term operation 130% for 10 mins 150% for 1 min >150% 300ms				
Output	Rated voltage		380/400/415Vac (line-line)				
	Voltage regulation		1%				
	Rated frequency		50/60Hz				
	Frequency precision		0.1%				
	Output PF		1				
	Output THDu		<1%				
	Crest factor		3:1				
	Inverter overload		110% for 1 hour / 125% for 10 mins / 150% for 1 min / >150% for 200ms				
Battery	Voltage		+/- 240Vdc				
	Battery quantity		Settable, even number from 32 to 44 units				
	Voltage precision		+/- 1%				
	Charge power		Up to 20% * output active power				
	Battery cold start		Standard				
System	Efficiency	AC mode	96%				
		ECO mode	99%				
		Bat. mode	96%				
	IP Class		Default IP20. Customizable up to IP42				
	Interface		RS232 / RS485 / Dry contact / USB / SNMP				
	Temperature	Operation	from -10°C to 50°C				
		Storage	from -40°C to 70°C				
	Relative humidity		from 0 to 90%				
	Altitude		Up to 2000mosl				
	Noise (1 meter)		55dB@100% load				
	Applicable standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3				
	Physical	Weight (kgs)		51.5	51.5	89	89
31				31	50	52	61
Dimensions (mm)		250 x 840 x 715	250 x 840 x 715	350 x 738 x 1335	350 x 738 x 1335	500 x 840 x 1400	
		250 x 660 x 530	250 x 660 x 530	250 x 680 x 770	250 x 680 x 770	250 x 836 x 770	