

KHT33 Series Tower Online UPS
60-500kVA (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 1500kVA
 - Modular design of subsystem, convenient for field maintenance
 - Friendly operation interface, color touch LCD screen



Specification

Model		KHT33 060X	KHT33 080X	KHT33 090X	KHT33 100X	KHT33 120X	KHT33 150X	KHT33 200X	KHT33 250X	KHT33 300X	KHT33 400X	KHT33 500X	
System capacity		60kVA	80kVA	90kVA	100kVA	120kVA	150kVA	200kVA	250kVA	300kVA	400kVA	500kVA	
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%											
	Back Feed Protection	Integrated automatic isolation device											
	Maximum Nominal Short Circuit current (RMS)	65kA											
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%										
	Display		7" touch screen + LCD + LED							10.4" touch screen + LCD + LED			
	IP Class		Default IP20. Customizable up to IP42										
	Interface		RS232 / RS485 / Dry contact / USD / 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)		60dB@100% load										
	Applicable standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3										
Physical	Weight (kgs)		170	210	231	231	266	305	350	445	490	700	900
	Dimensions (mm)	Width	600	600	600	600	600	650	650	650	650	1050	1300
		Depth	980	980	980	980	980	960	960	970	970	1000	1100
		Length	950	1150	1400	1150	1400	1600	1600	2000	2000	2000	2000