

HT33020XS Tower Online UPS

20kVA (380V/400V/415V)

HT33020XS UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.



Application

IDC(Internet Data center),ISP,Computer Room, Service Center

- Precision instruments,Intelligent equipments

Features

- High efficiency, up to 96%
- High input PF > 0.99;Input current THDi < 4%
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

Specification

MODEL		HT33020XS	
System Capacity		20kVA	
Input	Dual Input	Standard	
	Phase	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)	
	Input Voltage Range	304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage	
	Rate Frequency	50/60Hz	
	Input Frequency Range	40Hz ~ 70Hz	
	Input PF	>0.99	
	Input THDi	<3% (100% Linear load)	
Bypass	Rate Voltage	380/400/415VAC (line-line)	
	Rate Frequency	50/60Hz	
	Input Voltage Range	Settable, -40% ~ +25%	
	Bypass Frequency Range	Settable, ± 1 Hz, ± 3 Hz, ± 5 Hz	
	Bypass Overload	125% long term operation; 130% for 10 mins; 150% for 1 min	
Output	Rate Voltage	380/400/415VAC (line-line)	
	Voltage Regulation	1% for balance load; 1.5% for unbalance load	
	Rate Frequency	50/60Hz	
	Frequency Precision	0.1%	
	Output PF	0.9	
	Output THDu	<1% , Linear load; <5.5%, Non-linear load	
	Crest Factor	3:1	
	Inverter Overload	110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms	
Battery	Voltage	± 240 VDC	
	Battery Number	40pcs (Settable: even number from 32 to 44)	
	Voltage Precision	± 1 %	
	Charge Power	up to 20% * Output active power	
	Battery Cold Start	Optional	
System	Efficiency	AC Mode	95.0%
		ECO Mode	98.0%
		Battery Mode	95.0%
	Display	LCD + LED + keyboard	
	IP Class	IP 20	
	Interface	RS232,RS485	
	Option	SNMP Card, Parallel kit, USB, Programmable Dry Contact	
	Temperature	Operation: 0 ~ 40 °C Storage: -40 ~ 70 °C	
	Relative Humidity	0 ~ 95% Non-condensing	
	Altitude	<1000m. Within 1000m to 2000m, power derate 1% for every 100m rise	
	Noise (1 meter)	55dB @ 50% load	
Applicable Standards	Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3		
Physical	Weight (kg)	89	
	Dimension W*D*H (mm)	350*738*1335	