

HTD33 Series Tower Online UPS

120-200kVA (380V/400V/415V)

HTD33 series high-performance UPS adopts double-conversion online design and DSP full digital control. High input power factor and low harmonic distortion ensure the greenness and environmental protection of the product. The extremely high overall machine efficiency ensures that the system can achieve energy saving while outputting pure sine waves. Provide ideal, uninterrupted high-quality power for computer equipment, communication systems and data rooms.



Application

IDC(Internet Data Center), network servers and workstation, control system, communication system, office, PC etc

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
 - Intelligent battery management, support lithium battery
 - Supports multiple languages, Simplified Chinese, Traditional Chinese, English, Russian, Italian, Korean, Portuguese, Spanish, German, Polish, French, Turkish, Czech, Serbian
- High power density
 - Full front maintenance, supports up and bottom cable entry methods. Save installation space
 - Modular design of subsystem, convenient for on site maintenance
 - Friendly operation interface, equipped with large-screen LCD touch screen and control keyboard
 - Rich fault records and large-capacity historical log storage space up to 2000

Specification

Model		HT33120D	HT33160D	HT33200D	
System Capacity		120kVA	160kVA	200kVA	
Input	Dual Input	Standard			
	Phase	3P+N+PE, 380/400/415VAC (line-line)			
	Input Volatge Range	323 ~ 478VAC (line-line), full load 323V~138Vac (line-line), load decrease linearly according to the min phase voltage from 100% to 30%			
	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 Volatge Range	Settable -40%~+25%, default -20% ~ +15%			
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz			
	Bypass Overload	110%, long ter operation 125%~130%, 10 mins 130%~150%, 1 min >150%, 300 ms			
Output	Rate Voltage	380/400/415VAC (line-line)			
	Rate Frequency	50/60Hz			
	Output PF	1			
	Volatge Precision	±1%			
	Output THDu	<1%, Linear load; <5%, Non-linear load (IEC/EN62040-3)			
	Inverter Overload	<110%, 1 hour 110%~125%, 10 mins 125%~150%, 1 min >150%, 200ms			
		Frequency Precision	50/60Hz±0.1%		
Battery		Voltage	±240VDC		
		Battery Number	40~48pcs 30pcs derate to 0.7 32~34pcs derate to 0.8 36~38pcs derate to 0.9		
	Volatge Precision		1%		
	Charge Power		15% *Output active power		
	Battery Cold Start		Standard		
System	Efficiency	AC Mode	>96%		
		Battery Mode	>95%		
	Display	LCD + LED + color touch screen			
	Interface	RS485, USB, CAN, Programmable Dry Contat, Intelligent slot *2, Expandable dry contact slot *1			
	Option	SNMP card, Intelligent AS400 Card, Pallele kit, SPD, LBS, GSM, RS485 Expansion Card			
	Temperature	Operation: 0 ~ 40 °C Storge: -40 ~ 70 °C			
	Relative Humidity	0 ~ 95% Non-condensing			
	Noise (1 meter)	75dB @ 100% load, 70dB @ 45% load			
	Altitude	<1000m, within 1000~2000m, 1% power derating for every 100m rise			
Physical	Dimension W*D*H (mm)	480*1100*1200			
	Weight (kg)	187	200	205	