PQMax
New dimensions in power quality

HT33 Series Tower Online UPS
60-500kVA (380V/400V/415V)

HT33 series three phase UPS offers advanced technology that increase performance and reliability: three high speed DSPs 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

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Specification

MODEL			HT33060X	HT33080X	HT33090X	HT33100X	HT33120X	HT33150X	HT33200X	HT33250X	HT33300X	HT33400X	HT33500X
System Capacity			60kVA	80kVA	90kVA	100kVA	120kVA	150kVA	200kVA	250kVA	300kVA	400kVA	500kVA
Input	Dual Input		Standard							Optional		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, ±1Hz, ±3Hz, ±5Hz										
	Bypass Overload		125% long term operation 130% for 10 mins 150% for 1 min >150% for 300ms							110% long term operation 125% for 5 mins 150% for 1 min >150% for 1s			
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		1										
	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		±240Vdc										
	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							Standard			
System	Efficiency	AC Mode	95%	96%	95%	96%	95%	96%					
		ECO Mode	99%										
		Battery Mode	95%	96%	95%	96%	95%	96%					
	Display		10.4"(240kVA-500kVA) or 7"(60kVA-200kVA) touch screen LCD + LED + keyboard										
	IP Class		IP 20										
	Interface		RS232,RS485, Programmable Dry Contact, USB										
	Option		SNMP Card, Parallel kit, SPD, LBS, Dust filter										
	Temperature		Operation: 0 ~ 40 ℃ Storge: -40 ~ 70 ℃										
	Relative Humidity		0 ~ 95% Non-condensing										
	Altitude		<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise										
	Noise (1 meter)		65dB @ 100% load, 62dB @ 45% load										
	Applicable Standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3										
Physical	Weight (kg)		170	210	231	210	266	305	350	445	490	700	900
	Dimension W*D*H (mm)		600*980 *950	600*980 *1150	600*980 *1400	600*980 *1150	600*980 *1400	650*960 *1600	650*960 *1600	650*970 *2000	650*970 *2000	1050*1000 *2000	1300*1100 *2000

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HT33 Series Tower Online UPS
10-40kVA (380V/400V/415V)

HT33 series 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

PQMax
New dimensions in power quality

Specification

MODEL			HT33010XS HT33010XL	HT33015XS HT33015XL	HT33020XS HT33020XL	HT33030XS HT33030XL	HT33040XS HT33040XL
System Capacity			10kVA	15kVA	20kVA	30kVA	40kVA
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		<4% (100% Linear load)		<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, ±1Hz, ±3Hz, ±5Hz				
	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		1		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		±240Vdc				
	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%				96.0%
		ECO Mode	98.0%				
		Battery Mode	95.0%				96.0%
	Display		LCD + LED + keyboard				
	IP Class		IP 20				
	Interface		RS232,RS485				
	Option		SNMP Card, Parallel kit, USB, Programmable Dry Contact				
	Temperature		Operation: 0 ~ 40 ℃ Storge: -40 ~ 70 ℃				
	Relative Humidity		0 ~ 95% Non-condensing				
	Altitude		<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise				
	Noise (1 meter)		55dB @ 50% load				
	Applicable Standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3				
Physical	Weight (kg)		51.5	51.5	89	89	140
			31	31	50	52	61
	Dimension W*D*H (mm)		250*840*715	250*840*715	350*738*1335	350*738*1335	500*840*1400
			250*660*530	250*660*530	250*680*770	250*680*770	250*836*770

PQMax
New dimensions in power quality

HT33-TX Series Tower Online UPS
10-40kVA (380V/400V/415V)

HT33-TX series in-built transformer three phase UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. With in-built transformer, the HT33-TX is providing more safety to critical load.





Application

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

Features

- In-built galvanic isolation transformer
- 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: smart charging control, auto maintenance, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

PQMax
New dimensions in power quality

Specification

MODEL			HT33010X-TX	HT33020X-TX	HT33030X-TX	HT33040X-TX
System Capacity			10kVA	20kVA	30kVA	40kVA
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		<4%	<3%		
Bypass	Rate Voltage		380/400/415Vac (line-line)			
	Rate Frequency		50/60Hz			
	Input Voltage Range		Settable, -40% ~ +25%			
	Bypass Frequency Range		Settable, ±1Hz, ±3Hz, ±5Hz			
	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		±240Vdc			
	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	92.0%			
		ECO Mode	95.0%			
		Battery Mode	92.0%			
	Display		LCD + LED + keyboard			
	IP Class		IP 20			
	Interface		RS232,RS485			
	Option		SNMP Card, Parallel kit, USB, Programmable Dry Contact			
	Temperature		Operation: 0 ~ 40 ℃ Storge: -40 ~ 70 ℃			
	Relative Humidity		0 ~ 95% Non-condensing			
	Altitude		<1000m. Within 1000m to 2000m, 1% power derating for every 100m rise			
	Noise (1 meter)		55dB @ 50% load			
	Applicable Standards		Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3			
Physical	Weight (kg)		200	220	240	300
	Dimension W*D*H (mm)		250*658*955	350*757*1335	350*757*1335	500*840*1400