

## 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

### 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										
Bypass	Input THDi	<3% ( 100% Linear load )										
	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					
	Rate Voltage	380/400/415Vac (line-line)										
Output	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	±240Vdc										
Battery	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 °C Storage: -40 ~ 70 °C										
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