

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 THD < 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	HT33000X	HT33000X	HT33000X	HT33100X	HT33100X	HT33120X	HT33150X	HT33200X	HT33250X	HT33300X	HT33400X	HT33500X
System Capacity	60KVA	80KVA	90KVA	100KVA	120KVA	150KVA	200KVA	250KVA	300KVA	400KVA	500KVA	
Dual Input Phase	Standard			Optional								
Input Voltage Range	3 Phase+Neutral+Ground, 380V/400V/415V(line-line)											
Input Frequency	228V~304Vac (line-line),load decreases linearly according to the min phase voltage											
Input PF	304~478Vac (line-line),full load;											
Input THDI	50/60Hz											
Rate Voltage	40Hz ~ 70Hz											
Rate Frequency	>0.99											
Input Voltage Range	<3% (100% Linear load)											
Input Frequency Range	380/400/415Vac (line-line)											
Rate Voltage	50/60Hz											
Rate Frequency	Settable, -40% ~ +25%											
Input Voltage Range	Settable, ±1Hz, ±3Hz, ±5Hz											
Bypass Frequency Range	110% long term operation											
Bypass Overload	125% for 5 mins											
Bypass Voltage	150% for 1 min											
Bypass Current	>150% for 30ms											
Rate Voltage	380/400/415Vac (line-line)											
Rate Frequency	1% for balance load; 1.5% for unbalance load											
Rate Voltage	50/60Hz											
Rate Frequency	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											
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											
Efficiency	95%	96%	95%	96%	95%	95%	96%	95%	96%	95%	96%	95%
AC Mode	99%											
ECO Mode	95%											
Battery Mode	95%											
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											
Weight (kg)	170	210	231	210	266	305	350	445	490	810	900	
Dimension W*D*H (mm)	600*980	600*980	600*980	600*980	600*980	600*980	650*970	650*970	650*970	1300*1100	1300*1100	
	*950	*1150	*1400	*1150	*1400	*1600	*1600	*2000	*2000	*2000	*2000	