

## 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

### Specification

| MODEL                | HT33010XS  | HT33015XS   | HT33020XS   | HT33030XS                | HT33040XS    |              |
|----------------------|--|---|-------------|--------------------------|--------------|--------------|
|                      | HT33010XL  | HT33015XL   | HT33020XL   | HT33030XL                | 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;<br>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 °C Storge: -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)  | 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          |
|                      | 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  |