

## HT33100X Tower Online UPS

100kVA (380V/400V/415V)

HT33100X 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				HT33100X								
System Capacity				100kVA								
Input	Dual Input			Standard								
	Phase			3 Phase+Neutral+Ground, 380V/400V/415V(line-line)								
	Input Voltage Range	228V~304Vac (line-line),load decreases linearly according to the min phase voltage		304~478Vac (line-line),full load;								
	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, $\pm 1$ Hz, $\pm 3$ Hz, $\pm 5$ Hz								
	Bypass Overload			125% long term operation 130% for 10 mins 150% for 1 min >150% for 300ms								
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			$\pm 240$ VDC								
	Battery Number			40pcs (Settable: even number from 32 to 44)								
	Voltage Precision			$\pm 1$ %								
	Charge Power			up to 20% * Output active power								
	Battery Cold Start			Optional								
System	Efficiency	AC Mode			96%							
		ECO Mode			99%							
		Battery Mode			96%							
	Display			10.4" 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, power derate 1% for every 100m rise								
	Noise (1 meter)			65dB @ 100% load, 62dB @ 45% load								
	Applicable Standards			Safety: IEC/EN 62040-1-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3								
Physical	Weight (kg)			210								
	Dimension W*D*H (mm)			600*980 *1150								