

ATP33HT Series

Tower Online UPS, 10-40 KVA
(380V/400V/415V)



ATP33HT 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.

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, and 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.
- Variable number of batteries from 32 to 44 batteries in series per string.
- Parallel up to 8 units.
- Friendly operation interface, high-resolution LCD screen.

Operation panel and communication options



Operation panel with LCD display and status LEDs

Communication options on the rear panel of the UPS.

Application

- IDC (Internet Data center), ISP, Computer Room, Service Center.
- Precision instruments, intelligent equipment's.

Specification

MODELS		ATP33010XL	ATP33015XL	ATP33020XL	ATP33030XL	ATP33040XL
		ATP33010XS	ATP33015XS	ATP33020XS	ATP33030XS	ATP33040XS
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%
	Operation panel	LCD display + LED + keyboard				
	IP Class	IP20				
	Interface	RS232, RS485				
	Option	SNMP Card, Parallel kit, USB, Programmable Dry Contact				
	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)	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	

