

UPS Tower 3P ATP 33-HV (60-500KVA)



The ATP33 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. Its compact design ensures power density of 500kVA in one cabinet, 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.

Characteristics

- » 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

Specifications

MODEL		ATP33060X	ATP33080X	ATP33090X	ATP33100X	ATP33120X	ATP33150X	ATP33200X	ATP33250X	ATP33300X	ATP33400X	ATP33500X	
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											
	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, ±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				
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	±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							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" 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 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3											
Physical	Weight (kg)	170	210	231	210	266	305	350	445	490	810	900	
	Dimension W*D*H (mm)	600*980*950	600*980*1150	600*980*1400	600*980*1150	600*980*1400	650*96*1600	650*960*1600	650*970*2000	650*970*2000	1300*1100*2000	1300*1100*2000	

