

## UL33 Series Tower Online UPS 60-500kVA (380V/400V/415V)

UL33 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 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	UL33-60K	UL33-80K	UL33-90K	UL33-100K	UL33-120K	UL33-150X	UL33-200K	UL33-250K	UL33-300K	UL33-400K	UL33-500K	
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										
Bypass	Input THDi	<3% ( 100% Linear load)										
	Rate Voltage	380/400/415VAC (line-line)										
	Rate Frequency	50/60Hz										
	Input Voltage Range	Settable, -40% ~ +25%										
	Bypass Frequency Range	Settable, ±1Hz, ±3Hz, ±5Hz										
Output	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				
	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										
Battery	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										
System	Battery Cold Start	Optional						Standard				
	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 Storge: -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)	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*960 *1600	650*960 *1600	650*960 *2000	650*960 *2000	1300*1100 *2000	1300*1100 *2000