

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

ELX 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 equipment's

### 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	ELX060-33	ELX080-33	ELX090-33	ELX100-33	ELX120-33	ELX150-33	ELX200-33	ELX250-33	ELX300-33	ELX400-33	ELX500-33	
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)										
	Rate Frequency	50/60Hz										
	Input Frequency Range	40Hz~70Hz										
	Input PF	>0.99										
	Input THDi	<3% (100% Linear load)										
	Back Feed Protection	Integrated Automatic Isolation Device										
	Maximum Nominal Short Circuit Current (RMS)	65kA										
	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	1										
	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%										
System	Charge Power	up to 20% * Output active power										
	Battery Cold Start	Optional						Standart				
	Efficiency	AC Mode	96%	96%	95%	96%	95%	96%				
		ECO Mode	99.0%									
Battery Mode		96%	96%	95%	96%	95%	96%					
Display	10.4"(240kVA-500kVA) or 7"(60kVA-200kVA) 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, 1% power derating for every 100m rise											
Noise (1 meter)	60dB @ 100% 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	700	900
	Dimension W*D*H(mm)	600*980*950	600*980*1150	600*980*1400	600*980*1150	600*980*1400	650*980*1600	650*960*1600	650*970*2000	650*970*2000	1050*1000*2000	1300*1100*2000