

ELX Tower Online UPS 10-40kVA (380V/400V/415V)

ELX 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.



Application

- IDC (Internet Data center), ISP, Computer 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
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

Specification

MODEL	ELX010-33	ELX015-33	ELX020-33	ELX030-33	ELX040-33					
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										
Bypass	Input Frequency Range									
	40Hz~70Hz									
	Input PF									
	>0.99									
	Input THDi									
	<4% 100% Linear load)		<3% (100% Linear load)							
	Rate Voltage									
380/400/415Vac (line-line)										
Output	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										
Battery	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										
System	Crest Factor									
	3:1									
	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)										
Physical	Voltage Precision									
	±1%									
	Charge Power									
	up to 20% * Output active power									
	Battery Cold Start									
	Optional									
	Efficiency		AC Mode		95.0%	96.0%				
		ECO Mode		98.0%						
		Battery Mode		95.0%	96.0%					
Display										
LCD + LED + keyboard										
IP Class										
IP 20										
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