

ELX33 Tower UPS

From 10 kVA to 120 kVA (380V/400/415V)

ELX33 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 ergonomic design: full front access of serviceability, user friendly interface.



The solution for

- Telecommunications
- Industry
- Automatic systems
- Video surveillance systems
- Alarm systems
- Servers and networking devices
- Control systems
- Data centres
- Medical and laboratories

Technology

- On-Line double conversion

Certifications

- CE
- LVD

Features

- Wide range of input voltage and frequency
- High input PF>0.99
- Input Current THDi>3%
- Online double conversion technology, excellent sinusoidal wave output
- Intelligent battery management, greatly extend the battery life
- Full protection, including back feed protection, battery leakage protection
- Parallel up to 6 power unit
- Modular design of subsystem, convenient for field maintenance
- Friendly Operation Interface, touch LCD Screen

MODEL	ELX010-33	ELX020-33	ELX030-33	ELX060-33	ELX090-33	ELX120-33
	10kVA/10kW	20kVA/18kW	30kVA/27kW	60kVA/54kW	90kVA/81kW	120kVA/108kW
MAIN INPUT						
Grid System	3 Phases + Neutral + Ground					
Rated Input Voltage	380/400/415VAC					
Rated Frequency	50/60Hz					
Input Voltage Range	304~478Vac					
Input Frequency Range	40Hz~70Hz					
Input Power Factor	>0.99					
Input Current THDi	<3% (full Linear Load)					
BYPASS INPUT						
Rated Bypass Voltage	380/400/415VAC					
Rated Frequency	50/60Hz					
Bypass Voltage Range	Selectable, default -20%~+15%; Upper limit: +10%, +15%, +20%, +25%; Lower limit: -10%, -15%, -20%, -30%, -40%					
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz					
Bypass Overload	125% Long term operation; 125%~130% for 10min; 130%~150% for 1min; 150%~400% for 1s; >400% ,less than 200ms			110% Long term operation; 110%~125% for 5min; 125%~150% for 1min; 150%~400% for 1s; >400% ,less than 200ms		
OUTPUT						
Rated Inverter Voltage	380/400/415VAC (Line-Line)					
Rated Frequency	50/60Hz					
Output Power Factor	1,0	0,9				
Voltage precision	±1.5%(0-100% linear load)					
Transient recovery	<30ms (0% - 100% -0%)					
Output Voltage THDu	<1% from 0% to 100% linear load; <6% full non-linear load according to IEC/EN62040-3					
Inverter Overload	110%, 60min; 125%, 10min; 150%, 1min; >150%, 200ms					
Frequency Regulation	50/60Hz±0.1%					
Synchronized Range	Settable, ±0.5Hz ~±5Hz, default ±3Hz					
BATTERY AND CHARGER						
Battery Rate Voltage	±240VDC					
Charger Voltage precision	1%					
Charger Power	max=20%					
EFFICIENCY						
Normal Operation	>95%					
Battery Operation	>95%					
SYSTEM						
Display	LED + LCD			LED + LCD + Touch screen		
Interface	Standard: RS232, RS485; Option: SNMP, Dry Contact			Standard: RS232, RS485, USB, Dry Contact; Option: SNMP, AS/400		
ENVIRONMENTAL						
Operation Temperature	0~40°C					
Storage Temperature	-40~70°C					
Relative Humidity	0~95% (Non condensing)					
Noise (1 meter)	65dB at 100% load, 62dB at 45% load					
PHYSICAL DATA						
Dimensions (WxDxH) (mm)	250x680x770		351x738x1335	600x980x950	600x980x1400	
Weight (kg) (without power module)	80	88	88	176	231	266