



PRODUCT CATALOG

- HIGH POWER CAPACITY
- GREEN MODE 98% EFFICIENCY
- UP TO 6 UNITS IN PARALLEL



ONLINE UPS · THREE-PHASE IN / THREE-PHASE OUT

# ELS-33 SERIES

## 300 – 800 kVA ONLINE UPS

High-power uninterruptible energy for large critical facilities

**300 – 800 kVA**

Power range

**98%**

Green Mode efficiency

**0 ms**

Transfer time

## GENERAL FEATURES

The ELSiPOWER ELS-33 300-800 kVA series are three-phase online UPS systems developed for high-power critical applications such as data centers, hospitals, airports, banking infrastructure and large production plants. They isolate the load from mains outages and fluctuations to deliver continuous, clean power, while the high-efficiency Green Mode reduces energy costs. Parallel operation of up to 6 units, a wide range of options and a design compliant with international standards support your growing energy needs with confidence.

**300 – 800 kVA**

Power range

**98%**

Green Mode efficiency

**0 ms**

Transfer time

**6 units**

Parallel operation

## KEY FEATURES

- High power capacity from 300 kVA to 800 kVA in a single unit
- Up to 95% efficiency in online mode and 98% in Green Mode
- Parallel operation of up to 6 units for capacity expansion and redundancy
- RS232, USB, dry contact and EPO as standard; RS485 (Modbus) and SNMP optional
- Flexible installation with top cable entry option
- Continuous, clean power with 0 ms transfer time
- Grid-friendly input: power factor above 0.99 and current harmonics below 3%
- Supports 50-52 adjustable maintenance-free sealed batteries
- Remote monitoring panel and external bypass options
- Designed to IEC/EN 62040-1, -2 and -3 standards

## APPLICATIONS



Data centers



Hospitals



Industrial production plants



Airports &amp; transportation



Banking &amp; finance



Telecommunications



## CONTACT

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# TECHNICAL SPECIFICATIONS

| MODEL                         | ELS-33300                                                                                                                                                                                         | ELS-33400 | ELS-33500 | ELS-33600         | ELS-33800         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------------|-------------------|
| GENERAL                       |                                                                                                                                                                                                   |           |           |                   |                   |
| Power (kVA)                   | 300                                                                                                                                                                                               | 400       | 500       | 600               | 800               |
| Power (kW)                    | 270                                                                                                                                                                                               | 360       | 450       | 540               | 720               |
| INPUT                         |                                                                                                                                                                                                   |           |           |                   |                   |
| Phases                        | 3P + N + PE                                                                                                                                                                                       |           |           |                   |                   |
| Voltage tolerance (100% load) | 400 V -20% / +15%                                                                                                                                                                                 |           |           |                   |                   |
| Frequency                     | 50-60 Hz ± 10% (auto-sensing)                                                                                                                                                                     |           |           |                   |                   |
| Power factor / THDi           | > 0.99 · < 3%                                                                                                                                                                                     |           |           |                   |                   |
| OUTPUT                        |                                                                                                                                                                                                   |           |           |                   |                   |
| Phases / nominal voltage      | 3P + N + PE · 380 / 400 / 415 V                                                                                                                                                                   |           |           |                   |                   |
| Power factor / waveform       | 0.9 · sine wave                                                                                                                                                                                   |           |           |                   |                   |
| Frequency                     | 50 Hz or 60 Hz · ± 0.01% in battery mode                                                                                                                                                          |           |           |                   |                   |
| Voltage regulation (static)   | ± 1%                                                                                                                                                                                              |           |           |                   |                   |
| Crest factor                  | 3:1                                                                                                                                                                                               |           |           |                   |                   |
| Overload                      | 125% for 10 min; 150% for 1 min                                                                                                                                                                   |           |           |                   |                   |
| Overall efficiency*           | Up to 95% in online mode; > 98% in Green Mode                                                                                                                                                     |           |           |                   |                   |
| Voltage harmonics (THDv)      | < 1% (linear load), < 5% (non-linear load)                                                                                                                                                        |           |           |                   |                   |
| BATTERY & BYPASS              |                                                                                                                                                                                                   |           |           |                   |                   |
| Battery type / quantity       | Maintenance-free sealed · 50-52 pcs (adjustable)                                                                                                                                                  |           |           |                   |                   |
| Bypass voltage tolerance      | 380 / 400 / 415 V ± 10% (selectable) · 3P + N + PE                                                                                                                                                |           |           |                   |                   |
| Bypass frequency tolerance    | 1-5 Hz (adjustable)                                                                                                                                                                               |           |           |                   |                   |
| Transfer time                 | 0 ms                                                                                                                                                                                              |           |           |                   |                   |
| COMMUNICATION & ENVIRONMENT   |                                                                                                                                                                                                   |           |           |                   |                   |
| Standard interface            | RS232, dry contact, EPO, USB                                                                                                                                                                      |           |           |                   |                   |
| Optional interface            | RS485 (Modbus), SNMP                                                                                                                                                                              |           |           |                   |                   |
| Parallel operation            | Up to 6 units                                                                                                                                                                                     |           |           |                   |                   |
| Operating temperature         | 0-40 °C (20-25 °C recommended for battery life)                                                                                                                                                   |           |           |                   |                   |
| Noise level (1 m)             | < 60 dBA                                                                                                                                                                                          |           |           | < 62 dBA          |                   |
| Standards / protection class  | IEC/EN 62040-1 (safety), IEC/EN 62040-2 (EMC), IEC/EN 62040-3 (performance) · IP20                                                                                                                |           |           |                   |                   |
| DIMENSIONS, WEIGHT & OPTIONS  |                                                                                                                                                                                                   |           |           |                   |                   |
| Weight (kg)                   | 1170                                                                                                                                                                                              | 1820      | 2220      | 2400              | 3600              |
| Dimensions (W×D×H, mm)        | 1990 × 965 × 1920                                                                                                                                                                                 |           |           | 2440 × 950 × 2020 | 3640 × 950 × 1920 |
| Options                       | Paralleling kit, internal or external SNMP adapter, RS485 Modbus protocol, external bypass, remote monitoring panel, battery cabinet, top cable entry / exit, load-synchronization interface card |           |           |                   |                   |

\* Product models, images and technical specifications are subject to change without prior notice.