



PRODUCT CATALOG

- DUAL-CORE DSP
- OUTPUT POWER FACTOR 1
- UP TO 6 UNITS IN PARALLEL



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

ELS-33 SERIES

10 – 60 kVA ONLINE UPS

Compact three-phase double-conversion UPS with unity power factor

10 – 60 kVA

Power range

1

Output power factor (kVA = kW)

0 ms

Transfer time

GENERAL FEATURES

The ELSiPOWER ELS-33 10–60 kVA series are high-frequency online double-conversion UPS units with three-phase input and output. Dual-core DSP control, 0.99 input power factor and unity output power factor (kVA = kW) protect the load from all types of mains disturbance. A compact cabinet, 5-inch color touch screen, dual-input design and parallel operation of up to 6 units adapt flexibly to growing facilities.

10 – 60 kVA

Power range

1

Output power factor
(kVA = kW)

0 ms

Transfer time

6 units

Parallel operation

KEY FEATURES

- High-frequency online double-conversion technology
- Active power factor correction with input power factor up to 0.99
- Smart fan system for long service life
- Compact internal layout, small footprint and 5-inch color touch screen
- Optional Wi-Fi and GPRS card with SMS alarms
- Advanced dual-core DSP control technology
- Dual-input design supporting a separate bypass
- Cold start: switch the UPS on from batteries without mains
- RS232, RS485 and USB as standard; optional dry contacts, SNMP and parallel kit
- Smart battery management for long battery life

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation systems



Emergency systems



CONTACT

www.elsi.com.tr · elsi@elsi.com.tr
+90 212 210 75 51



TECHNICAL SPECIFICATIONS

MODEL	ELS-3310	ELS-3315	ELS-3320	ELS-3330	ELS-3340	ELS-3360
GENERAL						
Capacity (kVA / kW)	10 / 10	15 / 15	20 / 20	30 / 30	40 / 40	60 / 60
INPUT						
Voltage	380 / 400 / 415 VAC					
Voltage range	304–478 VAC (100% load) / 228–304 VAC (load derated)					
Frequency / range	50 / 60 Hz (auto-sensing) · 40–70 Hz					
Input power factor / THDi	≥ 0.99 · ≤ 5%					
Bypass voltage range	Default -20% ~ +15% · upper limit +10% / +15% / +20% / +25% · lower limit -10% / -15% / -20% / -25% / -30% / -40%					
OUTPUT						
Voltage / regulation	380 / 400 / 415 VAC (selectable via LCD) · ± 1%					
Frequency	Synchronized with mains 45–55 Hz or 55–65 Hz; battery mode 50 / 60 Hz ± 0.1 Hz					
Waveform / power factor	Pure sine / 1 · crest factor 3:1					
Voltage harmonics	≤ 1% linear load; ≤ 3% non-linear load					
Transfer time	Mains to battery 0 ms / inverter to bypass 0 ms					
Inverter overload	110% for 60 min; 110%–125% for 10 min; 125%–150% for 1 min; > 150% for 200 ms					
Bypass overload	125% continuous; 125%–130% for 10 min; 130%–150% for 1 min; 150%–400% for 1 s; > 400% for 200 ms					
BATTERY						
Battery voltage	240 VDC on standard models; 32–40 pcs (adjustable)					
Internal batteries	20 × 12 V 7–9 Ah	40 × 12 V 7–9 Ah	60 × 12 V 7–9 Ah (2 strings)	External battery (not included)		
Charging current	Max. 10 A		Max. 15 A		Max. 20 A	
Recharge time	Standard models 90% in 4 hours; long-run models depend on battery capacity					
SYSTEM & ENVIRONMENT						
Efficiency	Up to 95%			Up to 96%		
Display / alarms	5-inch touch screen · battery mode, low battery, fan fault					
Parallel operation	Up to 6 units (optional)					
Operating temperature / humidity	0–40 °C · 20–90% (non-condensing)					
Noise	≤ 58 dB (1 m)					
Communication	Standard: RS232, RS485, USB, battery cold start · Optional: programmable dry contacts, SNMP, parallel kit					
DIMENSIONS & WEIGHT (S: INTERNAL BATTERY · L: LONG-RUN)						
Net dimensions S (W×D×H, mm)	250×720×560	250×800×700	250×840×930	350×800×1280	–	–
Net dimensions L (W×D×H, mm)	250×720×560	250×720×560	250×840×650	250×720×560	250×790×560	–
Packed dimensions S (mm)	350×800×722	350×900×862	350×912×1102	450×900×1400	–	–
Packed dimensions L (mm)	350×800×718	350×900×718	350×980×810	350×800×718	350×850×818	–
Net weight (kg)	82 (S) / 31 (L)	145 (S) / 33 (L)	215 (S) / 42 (L)	300 (S) / 42 (L)	48 (L)	Consult
Packed weight (kg)	93 (S) / 40 (L)	156 (S) / 42 (L)	227 (S) / 52 (L)	310 (S) / 52 (L)	58 (L)	Consult

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