



PRODUCT CATALOG

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



ELS-3380 - ELS-33200

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

ELS-33 SERIES

80 – 200 kVA ONLINE UPS

Unity power factor double-conversion UPS for high-power critical loads

80 – 200 kVA

Power range

96%

Efficiency

0 ms

Transfer time

GENERAL FEATURES

The ELSiPOWER ELS-33 80-200 kVA series are three-phase online double-conversion UPS units designed for the critical loads of medium and large facilities. Dual-core DSP control, 0.99 input power factor, unity output power factor and 96% efficiency keep operating costs low even at high power. A dual-input design, battery cold start and parallel operation of up to 6 units provide a reliable power infrastructure for data centers, hospitals and industrial plants.

80 – 200 kVA

Power range

96%

Efficiency

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- / 7-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

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TECHNICAL SPECIFICATIONS

MODEL	ELS-3380	ELS-33100	ELS-33120	ELS-33200
GENERAL				
Capacity (kVA / kW)	80 / 80	100 / 100	120 / 120	200 / 200
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	Factory setting -20% ~ +15% · upper limit +10% / +15% / +20% / +25% · lower limit -10% / -15% / -20% / -25% / -30% / -40% (selectable via LCD)			
Bypass frequency range	± 1 / ± 3 / ± 5 Hz (selectable via LCD)			
Bypass overload	125% continuous; 125%–130% for 10 min; 130%–150% for 1 min; 150%–400% for 1 s; > 400% for 200 ms			
OUTPUT				
Voltage / regulation	380 / 400 / 415 VAC (selectable via LCD) · ± 1% (linear load)			
Frequency	Synchronized with mains; battery mode 50 / 60 Hz ± 0.1 Hz			
Waveform / power factor	Pure sine / 1 · crest factor 3:1			
Voltage harmonics (THDv)	≤ 1% linear load; ≤ 3% non-linear load			
Transfer time	0 ms			
Inverter overload	110% for 60 min; 110%–125% for 10 min; 125%–150% for 1 min; > 150% for 200 ms			
BATTERY				
Battery voltage	240 VDC on standard models; 32–40 pcs (adjustable)			
Charging current	30 A	40 A	—	60 A
Charging voltage accuracy	≤ 1%			
SYSTEM & ENVIRONMENT				
Efficiency	96%			
Display	5- or 7-inch touch screen (optional)			
Parallel operation	Up to 6 units (optional)			
Operating / storage temperature	0 – 40 °C / -40 – 70 °C			
Humidity / noise	0–95% (non-condensing) · ≤ 70 dB (1 m)			
Operating altitude	≤ 1000 m; 1% derating per 100 m from 1000 to 2000 m			
Communication	Standard: RS232, RS485, USB, battery cold start · Optional: programmable dry contacts, SNMP, parallel kit			
DIMENSIONS & WEIGHT				
Net dimensions (W×D×H, mm)	360×800×1200	360×850×1200		440×850×1250
Packed dimensions (W×D×H, mm)	450×970×1370	450×940×1350		530×940×1410
Net weight (kg)	152	160	194	200
Packed weight (kg)	172	180	214	220

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