



PRODUCT CATALOG

- **COMPACT DESIGN**
- **HIGH POWER DENSITY**
- **HIGH EFFICIENCY**
- **INTELLIGENT CHARGING MANAGEMENT**



ONLINE DOUBLE-CONVERSION UPS

80 – 600 kVA MODULAR UPS

High-density, scalable power protection for critical applications

80 – 600 kVA

Power range

96%

Double-conversion efficiency (ECO 99%)

4U

40 / 50 kVA power modules

PRODUCT OVERVIEW

This modular UPS series delivers high-density, scalable three-phase power protection from 80 kVA to 600 kVA. With compact cabinet options, 40 kVA and 50 kVA power modules, high efficiency and intelligent power management, it is an ideal solution for data centers, industrial facilities and other critical power environments.

80 – 600 kVA

Power range

96%

Double-conversion efficiency (ECO 99%)

4U

40 / 50 kVA power modules

< 1.45 m²

600 kVA cabinet footprint

KEY FEATURES

01

Compact Design

Up to 600 kVA in one cabinet with a footprint under 1.45 m², saving valuable installation space.

02

High Power Density

40 / 50 kVA power modules in 4U height make capacity expansion simple and space-efficient.

03

High Efficiency

Advanced 3-level technology: 96% in online double-conversion mode, 99% in ECO mode.

04

Intelligent Charging Management

Charging and discharging are managed intelligently to extend battery life.

05

High Scalability

Capacity grows by adding modules within the cabinet; parallel operation enables much higher system capacities.

06

Friendly HMI

10.4-inch touch LCD on 240–600 kVA and 7-inch on 80–200 kVA cabinets; independent LCD on each power module.

07

Smart Sleep Function

Selected power modules shut down at low load to improve load rate and efficiency.

08

Multi Communication Interface

RS232, RS485, programmable dry contacts; USB, SNMP and AS400 options.

APPLICATIONS



Data centers



Telecom & network infrastructure



Industrial critical loads



Finance & corporate buildings

TECHNICAL SPECIFICATIONS

MODEL RANGE

Capacity	80 kVA	160 kVA	240 kVA	100 kVA	200 kVA	300 kVA	400 kVA	500 kVA	600 kVA
Power modules	2 × 40 kVA	4 × 40 kVA	6 × 40 kVA	2 × 50 kVA	4 × 50 kVA	6 × 50 kVA	8 × 50 kVA	10 × 50 kVA	12 × 50 kVA
Cabinet weight (kg)	210	350	490	210	350	490	700	900	1040
Module weight (kg)	44	44	44	45	45	45	45	45	45
Cabinet size (mm) W × D × H	600 × 980 × 1150	650 × 960 × 1600	650 × 1095 × 2000	600 × 980 × 1150	650 × 960 × 1600	650 × 1095 × 2000	1050 × 1000 × 2000	1300 × 1100 × 2000	1300 × 1100 × 2000
Module size (mm) W × D × H	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178	510 × 700 × 178

COMMON TECHNICAL SPECIFICATIONS

Input	Dual input standard; 3P+N+PE, 380/400/415 VAC (L-L); 304–478 VAC at full load, linear derating at 228–304 VAC.
Input frequency	50/60 Hz; input frequency range 40–70 Hz; input PF > 0.99; input THDi < 3% (100% linear load).
Bypass	380/400/415 VAC; 50/60 Hz; bypass voltage settable (–40% to +25%); frequency window ±1 / ±3 / ±5 Hz. Bypass overload capability varies by cabinet family.
Output	380/400/415 VAC (L-L); 50/60 Hz; regulation 1% balanced / 1.5% unbalanced; frequency precision 0.1%; PF = 1.
Output quality	THDu < 1% linear / < 5.5% non-linear load; crest factor 3:1.
Inverter overload	Up to 110% for 1 h, 125% for 10 min, 150% for 1 min, > 150% for 200 ms.
Battery	±240 VDC; 40 pcs battery string (settable even number from 32 to 44); voltage precision 1%; charging power up to 20% of output active power.

TECHNICAL SPECIFICATIONS (CONTINUED)

COMMON TECHNICAL SPECIFICATIONS

Battery cold start	Standard on 600–300 kVA and 240 kVA cabinets; optional on 200–100 kVA and 160–80 kVA cabinets.
Efficiency	AC mode 96.0%; ECO mode 99.0%; battery mode 96.0%.
Display & HMI	10.4-inch touch LCD for 240–600 kVA, 7-inch for 80–200 kVA cabinets; LED + keypad.
Communication	RS232, RS485, programmable dry contact; USB, SNMP and AS400 options.
Options	SNMP card, parallel kit, SPD, LBS and dust filter.
Environment	Operating 0–40 °C; storage –40–70 °C; RH 0–95% non-condensing; no derating up to 1000 m, 1% per 100 m from 1000 to 2000 m; noise 72 dB at 100% load, 69 dB at 45% load.
Standards	Safety: IEC/EN 62040-1 · EMC: IEC/EN 62040-2 · Performance: IEC/EN 62040-3

* Product specifications are subject to change without prior notice as part of ongoing development.



CONTACT

Web www.elsi.com.tr
 E-mail elsi@elsi.com.tr
 Phone +90 212 210 75 51

