



PRODUCT CATALOG

- RACK DESIGN
- FLEXIBLE CONFIGURATION
- HIGH POWER DENSITY
- FRIENDLY INTERFACE



ONLINE DOUBLE-CONVERSION UPS

10 – 90 kVA MODULAR UPS

Scalable, hot-swappable power protection for data centers

10 – 90 kVA

Power range

98%

ECO-mode efficiency (AC mode 95%)

2U

10 / 15 kVA power modules

PRODUCT OVERVIEW

This standard 19-inch rack-compatible, modular, scalable and hot-swappable online double-conversion UPS series covers 10 kVA to 90 kVA. With flexible 3/3, 3/1 and 1/1 phase configurations and a compact structure, it is an ideal power protection solution for small and medium-sized data centers.

10 – 90 kVA

Power range

98%

ECO-mode efficiency
(AC mode 95%)

2U

10 / 15 kVA
power modules

19"

Standard rack
compatible

KEY FEATURES

01

Rack Design

Modular design compatible with 19-inch standard rack cabinets for easy server integration.

02

Flexible Configuration

Supports 1/1, 3/1 and 3/3 configurations without derating or hardware changes.

03

High Power Density

10 kVA / 15 kVA power modules in 2U height save space and simplify expansion.

04

Friendly Interface

7-inch color touch LCD, LED indicators and keypad for convenient operation.

05

Integrated Data Center Solution

Can be combined with a battery cabinet and PDU for compact deployment.

06

Smart Sleep Function

Selected power modules shut down intelligently at low load to raise efficiency.

07

Intelligent Charging Management

Optimized charging and discharging extend overall battery service life.

08

Self-Aging Mode

Internal energy circulation enables full-load testing with low energy consumption.

APPLICATIONS



Data centers



Telecom &
network
infrastructure



Industrial critical
loads



Finance &
corporate
buildings

TECHNICAL SPECIFICATIONS

MODEL RANGE

Capacity	20 kVA	30 kVA	40 kVA	60 kVA	30 kVA	45 kVA	90 kVA
Power modules	2 × 10 kVA	3 × 10 kVA	4 × 10 kVA	6 × 10 kVA	2 × 15 kVA	3 × 15 kVA	6 × 15 kVA
Cabinet weight (kg)	42	55	51	70	42	55	70
Module weight (kg)	15.3	15.3	15.3	15.3	15.5	15.5	15.5
Cabinet size (mm) W × D × H	485 × 697 × 398	485 × 751 × 575	485 × 697 × 575	485 × 751 × 1033	485 × 697 × 398	485 × 751 × 575	485 × 751 × 1033
Module size (mm) W × D × H	436 × 590 × 85	436 × 590 × 85	436 × 590 × 85	436 × 590 × 85	436 × 590 × 85	436 × 590 × 85	436 × 590 × 85

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; frequency range 40–70 Hz; input PF > 0.99; input THDi < 4% (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	10 kVA module models: 125% continuous, 130% 10 min, 150% 1 min, > 150% 300 ms. 15 kVA module models: 110% continuous, 130% 5 min, 150% 1 min, > 150% 300 ms.
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	110% for 1 h, 125% for 10 min, 150% for 1 min, > 150% for 200 ms.

TECHNICAL SPECIFICATIONS (CONTINUED)

COMMON TECHNICAL SPECIFICATIONS

Battery	±240 VDC; 40 pcs (adjustable 32-44, even numbers); voltage precision ±1%; charging power up to 20% of output active power.
Efficiency	AC mode 95.0%; ECO mode 98.0%; battery mode 94.5%.
Interface	RS232, RS485, programmable dry contact; 7-inch color touch LCD + LED + keypad; IP20.
Options	SNMP card, parallel kit, SPD, power module with battery cold start function.
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 56 dB at 50% 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

