



PRODUCT CATALOG

- SINE WAVE OUTPUT
- AUTOMATIC VOLTAGE REGULATION (AVR)
- SMART BATTERY MANAGEMENT



UNINTERRUPTIBLE POWER SUPPLIES

LINE INTERACTIVE UPS

Reliable sine-wave backup power for homes, offices and network equipment

650 – 3,000

VA power range

5 ms

transfer time

< 3%

output THDv

KEY FEATURES

The ELSiPOWER Line Interactive UPS series keeps your equipment running during mains outages by switching to battery within 5 ms. Its boost and buck automatic voltage regulation (AVR) corrects mains fluctuations without drawing on the battery. With sine wave output, smart battery management and comprehensive protection functions, the series offers seven models from 650 VA to 3,000 VA.

650 – 3,000 VA

Power range

5 ms

Transfer time

< 3%

Output THDv
(sine wave)

2 – 4 hrs

Recharge time
(to 90% capacity)

- Microprocessor-based digital control
- Sine wave output
- Cold start and energy saving
- Fault alarms and error warnings
- Lightning and under-voltage protection
- Fast and smart battery charging
- Optional generator compatibility
- RJ11 / RJ45 protection
- Self-test on start-up
- Boost and buck automatic voltage regulation (AVR)
- Short-circuit and overload protection
- Compact, lightweight and quiet operation
- Smart battery management and deep discharge protection
- Charging in off mode
- LED and LCD panel options
- Optional USB / RS232 communication port
- Optional no-load shutdown

MODEL OVERVIEW

Model	Capacity	Nominal DC	Battery	Outlets	Dimensions (mm)	Weight
EL-650	650 VA / 390 W	24 VDC	2×12V 7Ah	2	100×280×142	7.5 kg
EL-850	850 VA / 510 W	24 VDC	2×12V 7Ah	2	100×280×142	7.5 kg
EL-1000	1,000 VA / 600 W	24 VDC	4×12V 7Ah	2	100×280×142	7.5 kg
EL-1200	1,200 VA / 720 W	24 VDC	4×12V 7Ah	3	175×370×247	15.5 kg
EL-1500	1,500 VA / 900 W	48 VDC	4×12V 7Ah	3	175×370×247	15.5 kg
EL-2000	2,000 VA / 1,200 W	48 VDC	4×12V 9Ah	3	175×427×247	23 kg
EL-3000	3,000 VA / 1,800 W	48 VDC	4×12V 9Ah	3	175×427×247	23 kg

APPLICATIONS

The Line Interactive UPS series is suited to any environment where short outages and voltage fluctuations could cause data loss, equipment faults or downtime.



Home & Home Office

Uninterrupted power for computers, modems and home electronics.

01



Office Workstations

Prevents data loss on workstations and peripherals.

02



Network Equipment

Keeps modems, routers and switches connected.

03



Security Systems

Continuous recording for cameras, NVR/DVR and alarm panels.

04



POS & Cash Registers

Protects sales transactions in shops and restaurants.

05



Small Servers & NAS

Data protection against sudden outages and fluctuations.

06



Boilers & Heating

Sine wave output keeps gas boilers running during outages.

07



Gaming & Multimedia

Protects consoles, TVs and audio systems from fluctuations.

08

TECHNICAL SPECIFICATIONS

INPUT

Nominal voltage	220 / 230 / 240 VAC
Voltage range	162 – 295 VAC
Frequency	50 / 60 Hz auto-sensing

OUTPUT

Power factor	0.6
Voltage (mains mode)	220 / 230 / 240 VAC $\pm$ 12%
Voltage (battery mode)	220 / 230 / 240 VAC +3%, -10%
Waveform	Sine wave
Output voltage harmonics (THDv)	< 3%
Frequency (battery mode)	50 or 60 Hz $\pm$ 0.5%
Transfer time	5 ms
Overload	110% load for 10 min (mains mode), above 100% for 10 s (battery mode)

BATTERY

Type	Maintenance-free sealed lead-acid battery
Recharge time	2 – 4 hours (to 90% capacity)
Nominal DC voltage	24 VDC (EL-650 – EL-1200) · 48 VDC (EL-1500 – EL-3000)
Number of batteries	2×12V 7Ah (EL-650, EL-850) · 4×12V 7Ah (EL-1000 – EL-1500) · 4×12V 9Ah (EL-2000, EL-3000)
Protection	Overload, short circuit, deep discharge protection, replace battery indicator
Battery management	Yes

TECHNICAL SPECIFICATIONS (CONTINUED)

DISPLAY

LED display	Mains normal, backup mode, UPS fault and battery status
LCD display	Load level, battery level, bypass, AVR, battery low / replace - fault, UPS fault, overload

ALARMS

Alarms	Mains failure, low battery, overload and fault
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PROTECTION

Lightning protection	320 joules, 2 ms
Overload protection	110% load for 20 s, 125% load for 2 s
Short-circuit protection	Fuse for short circuit and overload

ENVIRONMENT & STANDARDS

Operating temperature	0 – 40 °C
Humidity	0 – 90% (non-condensing)
Noise level (1 m)	< 40 dBA (EL-650 – EL-1000) · < 45 dBA (EL-1200 – EL-3000)
Protection class	IP20
Standards	EN 62040-1-1(safety), EN 62040-2(EMC)

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



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