



UNINTERRUPTIBLE POWER SYSTEMS

GENERAL PRODUCT CATALOG

Uninterrupted power, uninterrupted trust.



ONLINE UPS



LINE INTERACTIVE UPS



MODULAR UPS



VOLTAGE REGULATORS



CONVERTER / INVERTER



STATIC TRANSFER SWITCH



BATTERY SOLUTIONS



AFTER-SALES SERVICES

ELSI POWER SYSTEMS

ABOUT US

Uninterrupted energy, uninterrupted trust.

Since 1978, we have continued to deliver reliable solutions through our experience in uninterruptible power systems, our adaptation to evolving technology and our customer-focused approach.

Guided by quality, trust and sustainability from day one, we power a stronger future every day.

With our broad product range and expert team, we offer uninterruptible power solutions for individual and corporate needs, and keep growing with strong partners in Türkiye and worldwide.

SINCE

1978

Experience in uninterruptible power

Because we are the assurance of continuity wherever there is energy.



ELSI POWER SYSTEMS · HEADQUARTERS

OUR VALUES



RELIABLE

We deliver uninterrupted, reliable energy with products built to high quality standards.



EXPERT TEAM

Our experienced, specialist team is always at your side.



INNOVATIVE

We follow technology closely and make a difference with innovative solutions.



GLOBAL

We keep growing through strong partnerships in Türkiye and worldwide.

BEFORE AND AFTER SALES

OUR SERVICES

At ELSiPOWER we offer not just products but end-to-end power solutions. From needs analysis to commissioning, from preventive maintenance to technical service, we are with you at every stage.

Site Survey & Design



We define the most suitable power and backup solution through load analysis and site survey.

Installation & Commissioning



Our experts handle installation, testing and commissioning of your systems.

Preventive Maintenance



Scheduled maintenance extends system life and prevents unexpected failures.

Technical Service



Fast response, on-site repair and spare-part support keep downtime to a minimum.

Battery Replacement



Battery testing, measurement and replacement secure your backup time.

UPS Rental



Rental UPS solutions for events, construction sites, temporary projects or maintenance periods – for as long as you need.

WHY ELSiPOWER?

- Industry experience since 1978
- Broad range from UPS to batteries
- Flexible solutions with UPS rental
- Expert engineering and after-sales support
- Products compliant with international standards
- Nationwide and international partnerships

END-TO-END SERVICE

HOW WE WORK

We are with you from the first day of your project throughout the entire life of the product. From defining your needs to after-sales support, we manage the whole process from a single source – planned and transparent.

**STEP 01****Site Survey & Design**

We analyse the load on site, review the existing infrastructure and define the right power and backup time.

**STEP 02****Product Selection & Sales**

We recommend the most suitable product and battery configuration and plan the quotation and delivery.

**STEP 03****Installation & Commissioning**

Our experts carry out installation, testing and commissioning, and brief your users.

**STEP 04****Preventive Maintenance Contract**

With a maintenance contract we perform scheduled checks, extend system life and reduce the risk of failure.

**STEP 05****Technical Service**

In case of failure, fast response, on-site repair and spare parts keep downtime to a minimum.

**STEP 06****Battery Replacement & Renewal**

We track battery life and replace batteries on time based on test and measurement results.

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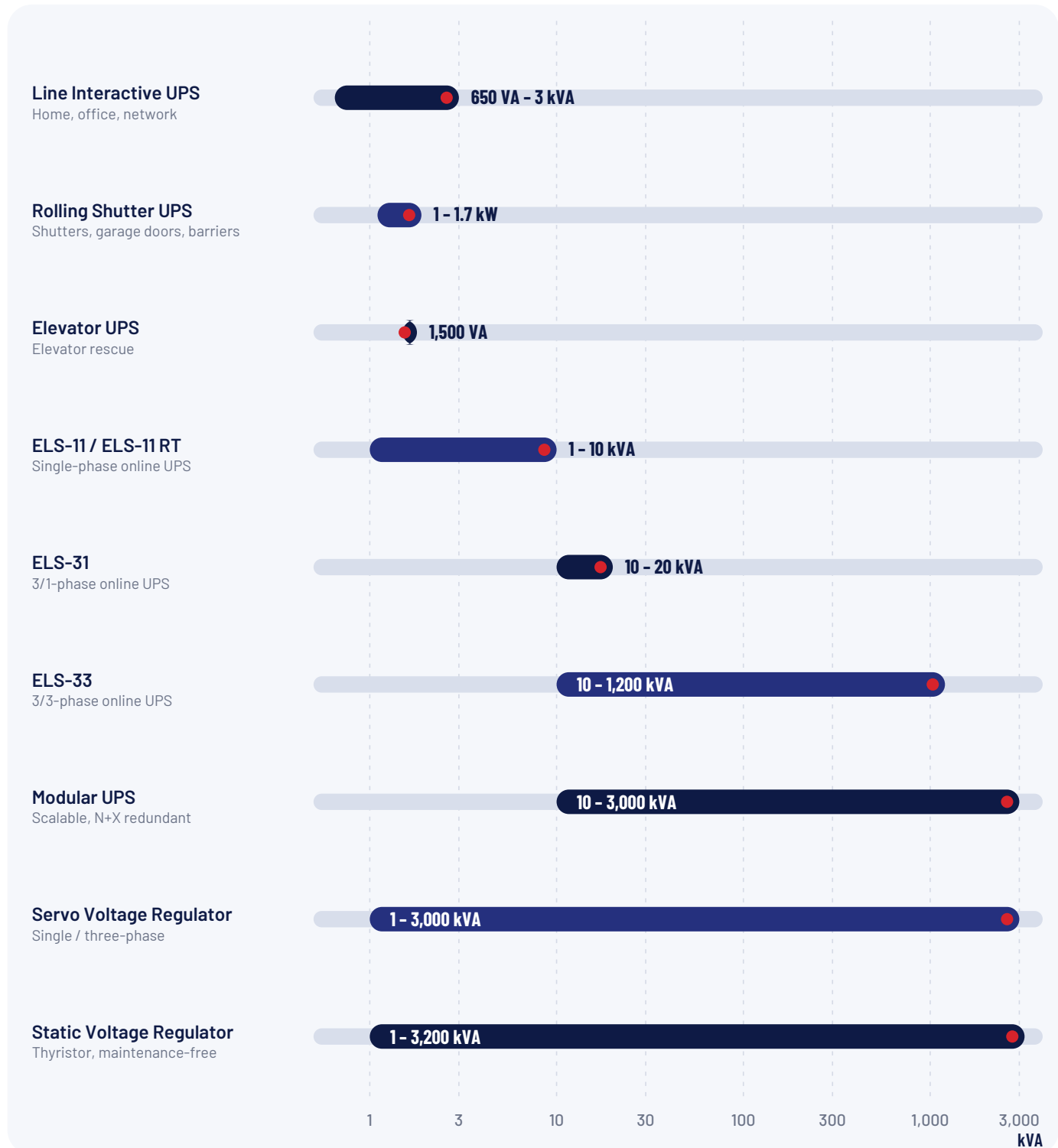
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THE RIGHT SOLUTION FOR YOUR NEEDS

POWER RANGE GUIDE

The guide below shows the power ranges covered by our product families at a glance. Find the power you need on the horizontal axis; the product families crossing that point are suitable options for your application. Our specialist team is always available to help you choose.



* Static Transfer Switch (STS) products cover 16 A – 2000 A; converter, inverter and battery products are offered per application. The scale is logarithmic.

01

SECTION 01

ONLINE UPS SYSTEMS

Our online UPS systems fully isolate the load from the mains with true double-conversion technology, delivering pure sine-wave power with zero transfer time from 1 kVA to 1,200 kVA.

- ELS-11 SERIES 1 – 3 kVA **8**
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- ELS-33 SERIES 10 – 60 kVA **14**
- ELS-33 SERIES 80 – 200 kVA **15**
- ELS-33 SERIES 300 – 800 kVA **16**





ELS-111 · 112 · 113

ONLINE UPS · 1-PHASE / 1-PHASE

ELS-11 SERIES

1 – 3 kVA

Compact online UPS for offices and sensitive electronics

High-frequency true double-conversion, DSP control and a wide input range deliver clean, stable power under all conditions. Offers LCD-selectable output voltage and smart battery management.

1 – 3 kVA

Power range

0.9

Output power factor

0 ms

Transfer time

97%

ECO-mode efficiency

KEY FEATURES

- High-frequency true double-conversion
- Wide 110–300 V input range
- Input / output voltage selectable via LCD
- Load-sensitive smart fan control
- DSP control and input PFC
- Cold start without mains
- ECO mode for economical operation
- Smart battery management

TECHNICAL SUMMARY

Model	ELS-111	ELS-112	ELS-113
Capacity	1 kVA / 900 W	2 kVA / 1800 W	3 kVA / 2700 W
Input voltage	208 / 220 / 230 / 240 VAC · 110–300 VAC		
Output	208–240 VAC ± 1% · pure sine · 3:1 crest		
Internal battery	2 × 12 V 7 / 9 Ah (24 V)		4 – 6 × 9 Ah
Efficiency (mains / ECO)	≥ 90% / 95%	≥ 91% / 96%	≥ 92% / 97%
Communication	RS232, USB · optional SNMP, RS485, dry contact		

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems



ELS-116 · ELS-1110

ONLINE UPS · 1-PHASE / 1-PHASE

ELS-11 SERIES

6 – 10 kVA

Online UPS with internal batteries, generator compatible

High-frequency double-conversion UPS supplied with internal batteries; a reliable solution for buildings, servers and medical equipment with a wide 120–276 V input range, generator compatibility and full protection.

6 – 10 kVA

Power range

0.9

Output power factor

0 ms

Transfer time

≥ 90%

Efficiency

KEY FEATURES

- True double-conversion, pure sine output
- Generator input support
- Cold start and ECO mode
- Detailed measurements and status on LCD
- Wide 120–276 V input range
- 16 × 12 V internal batteries, adjustable count
- EPO, self-test, advanced battery management
- USB, RS232 standard; SNMP optional

TECHNICAL SUMMARY

Model	ELS-116	ELS-1110
Capacity	6 kVA / 5.4 kW	10 kVA / 9 kW
Input	1P + N + PE · 220 / 230 / 240 VAC · 120–276 VAC	
Output	220 / 230 / 240 VAC ± 1% · pure sine · PF 0.9	
Battery	16 / 18 / 20 pcs · standard 16 × 12 V 7–9 Ah internal	
Size / weight	191 × 460 × 720 mm · 60 kg	191 × 460 × 720 mm · 61 kg
Standards	CE, EN/IEC 62040-1-1, EN/IEC 62040-2	

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · RACK / TOWER

ELS-11 RT SERIES

1 - 3 kVA

Online UPS for rack and tower installation

2U online UPS for rack or tower installation, ideal for server rooms and network cabinets. Available in standard (internal battery) and long-run (external battery) versions.



ELS-111 RT · 112 RT · 113 RT

1 - 3 kVA

Power range

2U

Rack height

0 ms

Transfer time

97%

ECO-mode efficiency

KEY FEATURES

- Convertible rack / tower chassis
- Wide 110-300 V input range
- Cold start and ECO mode
- Web-based monitoring via SNMP (optional)
- True double-conversion, DSP control
- Standard (S) and long-run (L) models
- Short-circuit, overload, over-temperature protection
- Smart battery management

TECHNICAL SUMMARY

Model	111 RT	112 RT	113 RT
Capacity	1 kVA / 900 W	2 kVA / 1800 W	3 kVA / 2700 W
Input / output	208 / 220 / 230 / 240 VAC		
Battery voltage (S / L)	24 / 36 VDC	48 / 72 VDC	72 / 96 VDC
Efficiency (battery / ECO)	≥ 85% / 95%	≥ 86% / 96%	≥ 87% / 97%
Net size (S)	440×338×88 mm	440×430×88 mm	440×560×88 mm
Net weight (S / L)	10.6 / 7.6 kg	18.7 / 9.7 kg	26.8 / 10.1 kg

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · RACK / TOWER

ELS-11 RT SERIES

6 – 10 kVA

Unity power factor rack / tower online UPS

Online UPS delivering full power with unity output power factor (kVA = kW), for rack and tower installation. Available as 4U with internal batteries or 2U with external batteries.



ELS-1116 RT · ELS-1110 RT

6 – 10 kVA

Power range

1

Output power factor

99%

ECO-mode efficiency

4U / 2U

Standard / long-run

KEY FEATURES

- Unity output power factor (kVA = kW)
- Wide 110–300 V input range
- Cold start and ECO mode
- Web-based monitoring via SNMP (optional)
- Convertible rack / tower chassis
- 16 or 20 batteries selectable (192–240 VDC)
- Enhanced overload capacity
- Compliant with IEC/EN 62040

TECHNICAL SUMMARY

Model	ELS-1116 RT	ELS-1110 RT
Capacity	6 kVA / 6 kW	10 kVA / 10 kW
Input / output	208 / 220 / 230 / 240 VAC · pure sine	
Efficiency	≥ 94.5% up to 60% load · ECO ≥ 99%	
Battery	192–240 VDC · 16 × 12 V 7 / 9 Ah internal (S)	
Net size	440×680×176 mm (S, 4U) / 440×580×88 mm (L, 2U)	
Net weight (S / L)	58 / 12 kg	63 / 14 kg

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · 1/1 AND 3/1 PHASE

ELS-15 SERIES

15 kVA

Uninterrupted, clean power for single-phase critical loads

15 kVA online UPS fed from a single- or three-phase supply; its double-conversion design keeps outages, fluctuations and noise away from the load. The 3/1-phase model distributes the load evenly across phases.

1/1 · 3/1

15 kVA

Rated power

1/1 · 3/1

Phase options

0 ms

Transfer time

Pure sine

Output waveform

KEY FEATURES

- Online double-conversion technology
- Reliable DSP-controlled design
- Cold start and ECO mode
- Short-circuit, overload and over-temperature protection
- 1/1 and 3/1 phase versions
- Grid-friendly operation with input PFC
- Digital front panel
- Remote monitoring with optional SNMP

TECHNICAL SUMMARY

Model	ELS-15 1/1	ELS-15 3/1
Input	Single-phase	Three-phase
Output	Single-phase · pure sine	
Technology	Online double-conversion, DSP control	
Transfer time	0 ms	

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · 3-PHASE / 1-PHASE

ELS-31 SERIES

10 – 20 kVA

High-efficiency UPS with three-phase input and single-phase output

Transformerless, high-efficiency double-conversion UPS with three-phase input and single-phase output. With rack and tower options it is ideal for server rooms, medical equipment and industrial controls.



ELS-3110 · ELS-3120

10 – 20 kVA

Power range

0.9

Output power factor

> 97%

ECO-mode efficiency

277 – 485 v

Input range

KEY FEATURES

- Three-phase in / single-phase out
- True sine double-conversion
- Cold start and ECO mode
- Smart battery management, 24-h diagnostics
- Transformerless high-efficiency design
- Input PFC and DSP control
- Convertible rack / tower chassis
- RS232 standard; SNMP, RS485 optional

TECHNICAL SUMMARY

Model	ELS-3110	ELS-3120
Power	10 kVA / 9 kW	20 kVA / 18 kW
Input	3P + N + PE · 380 / 400 / 415 VAC	
Output	1P + N + PE · 220 / 230 / 240 VAC · pure sine	
Nominal current (220 V)	45.5 A	91 A
Efficiency (normal / ECO)	> 93% / > 97%	
Battery	20 × 12 V 7 / 9 Ah · 240 VDC	

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · 3-PHASE / 3-PHASE

ELS-33 SERIES

10 – 60 kVA

Compact three-phase online UPS with unity power factor

Dual-core DSP control, 0.99 input power factor and unity output power factor protect the load from all mains disturbances. Offers a 5-inch touch screen and parallel operation of up to 6 units.



ELS-3310 – ELS-3360

10 – 60 kVA

Power range

1

Output power factor

0 ms

Transfer time

6 units

Parallel operation

KEY FEATURES

- Dual-core DSP control
- Dual input with separate bypass
- Cold start from battery
- RS232, RS485, USB standard
- 0.99 input power factor
- 5-inch color touch screen
- Parallel operation of up to 6 units
- Optional SNMP, Wi-Fi, GPRS and SMS alarms

TECHNICAL SUMMARY

Models	ELS-3310 · 3315 · 3320 · 3330 · 3340 · 3360
Capacity	10 / 15 / 20 / 30 / 40 / 60 kVA (kVA = kW)
Input	380 / 400 / 415 VAC · 304–478 VAC at full load · 40–70 Hz
Output	380 / 400 / 415 VAC ± 1% · pure sine · THDv ≤ 1%
Efficiency	Up to 95% – 96%
Battery	240 VDC · 32–40 pcs adjustable · internal or external battery versions

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · 3-PHASE / 3-PHASE

ELS-33 SERIES

80 – 200 kVA

High power for medium and large facilities

Three-phase online UPS offering low operating cost even at high power with unity power factor and 96% efficiency. With dual input and parallel operation it is a reliable backbone for data centers, hospitals and plants.

ELS-3380 – ELS-33200

80 – 200 kVA

Power range

96%

Efficiency

0 ms

Transfer time

6 units

Parallel operation

KEY FEATURES

- Unity output power factor (kVA = kW)
- Dual-core DSP control
- 5- / 7-inch touch screen (optional)
- Cold start from battery
- 96% efficiency
- Dual input with separate bypass
- Parallel operation of up to 6 units
- RS232, RS485, USB; optional SNMP

TECHNICAL SUMMARY

Model	ELS-3380	ELS-33100	ELS-33120	ELS-33200
Capacity (kVA = kW)	80	100	120	200
Input	380 / 400 / 415 VAC · 304–478 VAC at full load			
Output	380 / 400 / 415 VAC ± 1% · pure sine			
Net size (mm)	360×800×1200	360×850×1200		440×850×1250
Net weight (kg)	152	160	194	200
Noise	≤ 70 dB (1 m)			

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

ONLINE UPS · 3-PHASE / 3-PHASE

ELS-33 SERIES

300 – 800 kVA

High power for large critical facilities

High-power online UPS developed for data centers, hospitals, airports and large plants. Offers up to 98% efficiency in Green Mode, parallel operation of up to 6 units and a wide choice of options.

ELS-33300 – ELS-33800

300 – 800 kVA

Power range

98%

Green Mode efficiency

0 ms

Transfer time

6 units

Parallel operation

KEY FEATURES

- Up to 800 kVA in a single unit
- Up to 98% efficiency in Green Mode
- Supports 50-52 sealed batteries
- Top cable entry option
- Input PF > 0.99, THDi < 3%
- Parallel operation of up to 6 units
- External bypass and remote panel
- IEC/EN 62040-1/-2/-3 compliant

TECHNICAL SUMMARY

Model	33300	33400	33500	33600	33800
Power(kVA / kW)	300 / 270	400 / 360	500 / 450	600 / 540	800 / 720
Input / output	400 V -20% / +15% · output 380 / 400 / 415 V, PF 0.9				
Weight (kg)	1170	1820	2220	2400	3600
Size (mm)	1990 × 965 × 1920			2440×950×2020	3640×950×1920
Noise (1 m)	< 60 dBA			< 62 dBA	

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

02

SECTION 02

LINE INTERACTIVE AND SPECIAL-PURPOSE UPS

Compact, economical UPS solutions designed for everyday life and business needs – from homes and offices to elevators, shutters and barriers.

- LINE INTERACTIVE UPS SERIES **18**
- ELEVATOR UPS 1,500 VA **19**
- ROLLING SHUTTER UPS 1000 – 1700 W **20**



650 VA – 3,000 VA

LINE INTERACTIVE UPS SERIES

Sine-wave UPS for homes, offices and networks

Switches your equipment to battery within 5 ms during outages; boost and buck AVR corrects fluctuations without using the battery. Sine-wave output makes it suitable for sensitive devices including gas boilers.



EL-650 – EL-3000

650 – 3000 VA

Power range

5 ms

Transfer time

< 3%

Output THDv

2 – 4 hrs

Recharge (90%)

KEY FEATURES

- Microprocessor digital control
- Boost / buck AVR
- Smart battery management, deep-discharge protection
- LED and LCD panel options
- Sine-wave output
- Cold start and energy saving
- Lightning and RJ11 / RJ45 protection
- Optional USB / RS232 and generator compatibility

TECHNICAL SUMMARY

Models	EL-650 · 850 · 1000 · 1200 · 1500 · 2000 · 3000
Capacity	650 VA / 390 W – 3000 VA / 1800 W
Input	220 / 230 / 240 VAC · 162-295 VAC · 50 / 60 Hz
Output (battery mode)	220 / 230 / 240 VAC +3% / -10% · sine
Battery	Sealed lead-acid · 2 – 4 × 12 V 7 / 9 Ah
Standards	EN 62040-1-1, EN 62040-2 · IP20

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems



ELEVATOR RESCUE

ELEVATOR UPS 1,500 VA

Power solution for elevator rescue

Powers the elevator rescue system within 10 ms of a mains failure so passengers are not trapped. Peak-current firmware enables safe rescue for elevator motors up to 11 kW.

1500 VA
Rated power

< 10 ms
Transfer time

11 kW
Motor power up to

7 min
Auto shutdown

KEY FEATURES

- Firmware designed for peak currents
- Auto shutdown 7 min after rescue
- Automatic fuse and audible alarm
- Ready-to-connect input / output cables
- Automatic voltage regulation (AVR)
- Cold start from battery
- Smart battery control
- Optional RS232 / USB and LCD

TECHNICAL SUMMARY

Rescue capacity	5.5 kW: 5 times · 7.5 kW: 4 times · 11 kW: 2 times
Input / output	220 VAC (116–276 VAC) / 220 VAC ± 10%
Battery	2 × 12 V 9 Ah sealed, maintenance-free
Size / weight	136 × 328 × 186 mm · 10.2 kg
Warranty	2 years

APPLICATIONS



Residential



Office buildings



Hotels



Malls



Public buildings



ELS-1000 - ELS-1700

SHUTTER POWER SUPPLY

ROLLING SHUTTER UPS 1000 – 1700 W

Keep shutters, garage doors and barriers working during outages

Compact power supply for motorized shutters, garage doors and barriers. With 160–220 kg lifting capacity, 30 m remote range and up to 100 hours of standby, it stays ready even during long outages.

1000 – 1700 w

Power options

160 – 220 kg

Lifting capacity

30 m

Remote range

100 hrs

Standby time

KEY FEATURES

- 160–240 VAC input range
- 12-hour recharge, 100-hour standby
- Overload protection
- Lightweight 7.2 kg compact body
- Maintenance-free battery, ~5-year life
- Audible / visual warning on battery
- Rolling-code receiver, up to 42 remotes
- Easy wall mounting

TECHNICAL SUMMARY

Model	ELS-1000	ELS-1200	ELS-1300	ELS-1700
Capacity	1.1 kVA / 1.0 kW	1.33 kVA / 1.2 kW	1.44 kVA / 1.3 kW	1.89 kVA / 1.7 kW
Input / output	160–240 VAC / 220 VAC · 50–60 Hz			
Battery	2 × 12 V 7.2 Ah VRLA			
RF frequency	433.92 MHz			
Size / weight	320 × 260 × 85 mm · 7.2 kg			

APPLICATIONS



Shops



Auto services



Warehouses & garages



Residences



Car parks



Barriers

03

SECTION 03

MODULAR UPS SYSTEMS

UPS systems built from independent power modules that grow with your needs and can be serviced while running; scalable from 10 kVA to 3,000 kVA.

- MODULAR UPS SYSTEMS **22**
- Modular UPS series (1) **23**
- Modular UPS series (2) **24**



ONLINE DOUBLE-CONVERSION · SCALABLE

MODULAR UPS SYSTEMS

Power infrastructure that grows with you and is serviced without downtime

A modular UPS consists of independent power modules working in parallel instead of a single block. Capacity grows by adding modules; even if one module fails the system keeps running, and maintenance is done without downtime.



10 - 3,000 kVA

10 - 3000 kVA

Power range

N+X

Modular redundancy

Hot-swap

Live module replacement

99%

Up to ECO efficiency

KEY FEATURES

- Capacity grows by adding modules
- Hot-swappable power and bypass modules
- Lead-acid and lithium battery compatibility
- Expansion to MW level with parallel cabinets
- High availability with N+X redundancy
- Smart sleep for high efficiency at low load
- Touch screen and module-level monitoring
- RS485, USB, SNMP, Modbus communication

APPLICATIONS



Data centers



Healthcare



Transportation



Studio & production



Emergency systems



Industry

SERIES OVERVIEW · 1 / 2

MODULAR UPS SERIES

All our modular UPS series offer online double-conversion, hot-swappable modules and smart battery management. If you would like the detailed technical catalog of a model, please request it from us and we will send it to you personally.



10 - 90 kVA RACK

19" rack · 3/3, 3/1, 1/1 phase

Power range	10 - 90 kVA
Power module	10 / 15 kVA · 2U
Efficiency	AC 95% · ECO 98%



10 - 150 kVA

Rack-compatible · flexible phase

Power range	10 - 150 kVA
Power module	10 / 15 / 20 / 25 kVA · 2U
Efficiency	Up to 96.5%



20 - 200 kVA

N+X redundancy · hot-swap

Power range	20 - 200 kVA
Power module	20 kVA
Efficiency	AC 95% · ECO 99%



25 - 180 kVA

3/3, 3/1, 1/1 phase · lithium-ready

Power range	25 - 180 kVA
Power module	25 / 30 kW · 2U
Efficiency	Up to 96.5%



25 - 200 kVA

19" rack · cold start

Power range	25 - 200 kVA
Power module	25 kVA · 2U
Efficiency	AC 96% · ECO 98%



30 - 300 kVA

Up to 900 kVA in parallel

Power range	30 - 300 kVA
Power module	30 kVA · 2U
Efficiency	Up to 95.5%

SERIES OVERVIEW · 2 / 2

MODULAR UPS SERIES



30 - 900 kVA

600 kVA in one cabinet

Power range	30 - 900 kVA
Power module	30 kVA · 3U
Efficiency	Normal 95% · ECO 99%



50 - 600 kVA

High power density

Power range	50 - 600 kVA
Power module	50 / 60 kVA · 4U
Efficiency	Up to 96%



80 - 600 kVA

Up to 600 kVA per cabinet

Power range	80 - 600 kVA
Power module	40 / 50 kVA · 4U
Efficiency	AC 96% · ECO 99%



150 - 300 kVA

Dual input · cold start standard

Power range	150 - 300 kVA
Power module	25 kVA · 2U
Efficiency	AC 96% · ECO 98%



600 kVA · 10 × 60

Lithium battery support

Power range	600 kVA
Power module	60 kVA × 10
Efficiency	AC > 97%



600 kVA · 6 × 100

Up to 32 modules in parallel

Power range	600 kVA
Power module	100 kVA × 6 · 4U
Efficiency	> 96%



600 - 1200 kVA

Super ECO 99% · up to 3.2 MW

Power range	600 - 1200 kVA
Power module	100 kVA · 4U
Efficiency	Up to 97.5%



DETAILED DATASHEET

To receive the detailed technical catalog of the modular UPS model you are interested in, please request it from us and we will send it to you personally.

elsi@elsi.com.tr · +90 212 210 75 51

04

SECTION 04

VOLTAGE REGULATORS

Servo and static voltage regulators that correct low and high mains voltage fluctuations so your equipment always runs at a stable voltage.

- SINGLE-PHASE SERVO VOLTAGE REGULATOR 1 – 50 kVA 2
- THREE-PHASE SERVO VOLTAGE REGULATOR 3 – 150 kVA 1
- THREE-PHASE SERVO VOLTAGE REGULATOR 200 – 3000 kVA 1
- STATIC VOLTAGE REGULATOR 1 – 3200 kVA 29



1 - 50 kVA

SINGLE-PHASE SERVO VOLTAGE REGULATOR

Stable voltage correction for sensitive loads

Precisely corrects low and high mains voltage variations so connected equipment runs at a stable, safe voltage. Suitable for offices, homes, small businesses and sensitive electronics.

1 - 50 kVA

1 - 50 kVA

Power range

> 98%

Efficiency

± 2%

Output accuracy

~90 V/s

Correction speed

KEY FEATURES

- Microprocessor-controlled fully automatic servo system
- Efficiency above 98%
- Manual bypass
- Optional over / under-voltage protection
- Approx. 90 V/s correction speed
- Can drive non-linear loads
- Quiet operation
- Copper winding option

TECHNICAL SUMMARY

Input range	110-240 / 160-250 / 180-260 VAC · 45-60 Hz
Output	220 / 230 / 240 VAC RMS ± 2%
Overload	10 s at 200% load
Model range	1 · 1.5 · 2 · 2.5 · 3.5 · 5 · 7.5 · 10 · 15 · 20 · 25 · 30 · 40 · 50 kVA
Protection / cooling	IP20 · smart fan - thermostat (optional)

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

3 - 150 kVA

THREE-PHASE SERVO VOLTAGE REGULATOR

Stable voltage for industrial and critical loads

Precisely regulates sudden voltage changes so three-phase equipment runs at a stable voltage. A reliable solution for industrial plants, businesses and machinery.

3 - 150 kVA

3 - 150 kVA

Power range

> 98%

Efficiency

± 2%

Output accuracy

~90 V/s

Correction speed

KEY FEATURES

- Microprocessor-controlled fully automatic servo system
- Efficiency above 98%
- Manual bypass
- Optional over / under-voltage protection
- Approx. 90 V/s correction speed
- Can drive non-linear loads
- Quiet operation
- Copper winding option

TECHNICAL SUMMARY

Input range	200-400 / 275-450 / 310-450 VAC · 45-60 Hz
Output	380 / 400 / 415 VAC RMS ± 2%
Overload	10 s at 200% load
Model range	3 · 6 · 7.5 · 10.5 · 15 · 22.5 · 30 · 45 · 60 · 75 · 100 · 120 · 150 kVA
Protection / cooling	IP20 · smart fan – thermostat (optional)

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems



200 – 3,000 kVA

HIGH POWER · 200 – 3000 kVA

THREE-PHASE SERVO VOLTAGE REGULATOR

Stable regulation for high-power three-phase systems

Microprocessor-controlled fully automatic servo design, fast correction and a rugged cabinet provide high-power voltage regulation for plants, production lines and critical three-phase loads.

200 – 3000 kVA

Power range

> 98%

Efficiency

± 2%

Output accuracy

~90 V/s

Correction speed

KEY FEATURES

- Microprocessor-controlled fully automatic servo system
- Efficiency above 98%
- Manual bypass
- Optional over / under-voltage protection
- Approx. 90 V/s correction speed
- Can drive non-linear loads
- Quiet operation
- Copper winding option

TECHNICAL SUMMARY

Input range	200-400 / 275-450 / 310-450 VAC · 45-60 Hz
Output	380 / 400 / 415 VAC RMS ± 2%
Model range	200 · 250 · 300 · 400 · 500 · 600 · 800 · 1000 · 1250 · 1600 · 2000 · 2500 · 3000 kVA
Weight	900 – 8250 kg
Mechanical bypass	Mains – regulator selector switch with special handle

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

SINGLE / THREE-PHASE · THYRISTOR

STATIC VOLTAGE REGULATOR

Maintenance-free, high-speed thyristor regulation

Thyristor technology with no moving parts needs no maintenance; independent per-phase control keeps the output stable even under 100% unbalanced load. Responds within 20 ms.

1 – 3,200 kVA

1 – 3200 kVA

Power range

> 97%

Efficiency

20 ms

Response time

60% / 45%

Low / high correction

KEY FEATURES

- Maintenance-free thyristor technology
- 100% unbalanced load capacity
- 4x20 LCD or 7" touch panel
- Ethernet web server and Modbus RTU (opt.)
- Independent voltage control per phase
- 1 / 2 / 3 phase and all industrial voltages
- Overload and over-temperature protection
- Designed for industrial environments

TECHNICAL SUMMARY

Input	400 VAC 3P+N+PE / 230 VAC 1P+N+PE · S model -25% / +15%
Output tolerance	± 1% to ± 5% (optional)
Thyristor configuration	6 / 8 / 10 thyristors
Overload	125% 1 min · 150% 10 s
Cabinet	IP21 indoor · RAL 7035 · IP54 outdoor (opt.)

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

05

SECTION 05

POWER CONVERSION AND TRANSFER SYSTEMS

Complementary industrial power solutions – from frequency and voltage conversion and DC-fed AC generation to uninterrupted load transfer between two sources.

- CONVERTER **31**
- INVERTER **32**
- STATIC TRANSFER SWITCH (STS) **33**



INDUSTRIAL POWER CONVERSION

CONVERTER

High-efficiency power conversion with galvanic isolation

IGBT rectifier technology and microprocessor control deliver efficient, stable power conversion without polluting the grid. Capacity can be increased via parallel operation and load sharing; suitable for remote monitoring and central management.



ISOLATED DC/DC

95%

Efficiency

< 3%

Input current harmonics

IGBT

Rectifier technology

Parallel

Load sharing

KEY FEATURES

- Galvanic isolation
- Low input harmonics with IGBT rectifier (< 3%)
- Parallel operation with load sharing
- Stable performance with microprocessor control
- Low output distortion factor
- Maximum power, high efficiency (95%)
- Remote monitoring, management and central operation
- Easy user interface

TECHNICAL SUMMARY

Sample model	24 12 - 20 isolated DC/DC charger
Input	16 - 35 V DC
Output	10 - 15 V DC
Power	240 W (20 A)
Protection / approvals	IP43 · CE · E4 (10 R - 06 4721)

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems



DSP · IP20 - IP55

DC-FED UNINTERRUPTED AC

INVERTER

Reliable AC power for critical loads

Advanced DSP technology generates high-performance, stable AC power from a DC source. Uninterrupted bypass switching, smart charging and internal battery monitoring secure continuity in critical facilities.

DSP

Control technology

IP20 - IP55

Protection class

Modbus

Communication

Modular

Board design

KEY FEATURES

- Uninterrupted bypass switching
- Advanced protection on all terminals
- High overload capacity
- Auto start and recovery after faults
- High performance with advanced DSP
- Smart charging and internal battery monitoring
- Self-diagnostics with logged data
- Modular boards for easy maintenance

APPLICATIONS



Buildings



Server systems



Medical facilities



Industrial plants



Transportation



Emergency systems

SINGLE & THREE-PHASE · 16 – 2000 A

STATIC TRANSFER SWITCH (STS)

Uninterrupted, automatic load transfer between two sources

Automatically transfers the load between two independent sources within milliseconds, keeping critical loads supplied even if one source fails. Available in rack, wall-mount and tower cabinets.

STS-1 · STS-3

16 – 2000 A

Current range

≈ 5 ms

Transfer (synchronized)

> 99%

Efficiency

1P / 3P

Phase options

KEY FEATURES

- 1/4-cycle (≈ 5 ms) transfer
- Redundant power architecture
- SNMP, Modbus TCP/IP, IEC 61850 (opt.)
- Anti-condensation heater (opt.)
- Hot-swap power module and front access
- High overload withstand
- Mimic-diagram LCD or touch HMI
- 7 language options

TECHNICAL SUMMARY

Model	STS-1	STS-3
Phase / current	Single-phase · 16 – 1000 A	Three-phase · 16 – 2000 A
Voltage	110 – 240 VAC	190 – 660 VAC
Frequency	50 / 60 Hz · 45–65 Hz	
Protection class	IP20 (option IP21 – IP55)	
Standards	EN 62310-1 / -2 / -3	

APPLICATIONS



Data centers



Hospitals



Telecom



Industry



Finance



Transportation

06

SECTION 06

ENERGY STORAGE SOLUTIONS

Safe, long-life, high-performance battery solutions – from UPS systems and solar energy to forklifts and e-mobility.

- MAINTENANCE-FREE SEALED BATTERY SERIES 35
- GEL BATTERY SERIES 36
- TRACTION BATTERY SERIES 37
- LITHIUM BATTERY SERIES 38
- ELECTRIC BICYCLE BATTERY SERIES 39





VRLA

MAINTENANCE-FREE SEALED BATTERY SERIES

Sealed, maintenance-free reliable energy

Its sealed, maintenance-free design ensures safe use, while long life and stable energy performance keep your UPS, security and emergency systems running. We offer battery solutions in various capacities and brands to match your needs.



Sealed

Safe use

Maintenance-free

Design

Long life

Service

VRLA

Valve-regulated lead-acid

KEY FEATURES

- Safe use with sealed construction
- Long service life
- Fully compatible with UPS and security systems
- Maintenance-free design
- Stable, high energy performance
- Various capacity and brand options



For detailed information on capacities, models and applications of our sealed maintenance-free batteries, please contact the ELSIPOWER consultancy team.

APPLICATIONS



UPS systems



Security systems



Emergency lighting



Telecom



Solar energy

DEEP CYCLE · GEL TECHNOLOGY

GEL BATTERY SERIES

Reliable support for long-duration energy needs

The ELSiPOWER Gel Battery Series offers reliable energy for solar systems, caravans, marine, telecom, UPS and backup power applications with its deep-discharge resistance, long service life and maintenance-free technology. Advanced gel technology ensures safe, stable, high-performance operation.

GEL TECHNOLOGY

Deep

Discharge resistance

Maintenance-free

Gel technology

Long

Service life

Safe

Stable operation

KEY FEATURES

- Deep-discharge resistant design
- Maintenance-free operation
- Safe, stable operation
- Advanced gel technology
- Long service life
- Suited to long-duration energy needs



Our ELSiPOWER consultancy team will be happy to help you choose the most suitable gel battery capacity and model for your needs.

APPLICATIONS



Solar systems



Caravans



Marine systems



Telecom



UPS systems



Backup power



FORKLIFT · PALLET TRUCK

INDUSTRIAL MOBILE EQUIPMENT

TRACTION BATTERY SERIES

Uninterrupted operation under heavy-duty conditions

The ELSiPOWER Traction Battery Series delivers reliable energy for forklifts, pallet trucks, stackers, golf carts and industrial mobile equipment with high durability, long operating time and strong energy performance. Deep-discharge resistance, high cycle life and stable power delivery ensure maximum efficiency under heavy-duty conditions.

Long

Operating time

High

Cycle life

Deep

Discharge resistance

Stable

Power delivery

KEY FEATURES

- **Long operating time** – The right capacity extends equipment operating time.
- **Stable power performance** – Balanced, reliable performance without sudden power drops.
- **High cycle life** – Durable design for frequent charge and discharge cycles.
- **Built for industrial use** – Suited to the harsh conditions of warehouses, logistics and production.



For detailed information on traction battery capacities and solutions for your equipment, please contact the ELSiPOWER consultancy team.

APPLICATIONS



Forklifts



Pallet trucks & stackers



Warehouse & logistics



Golf carts



Cleaning machines



HIGH ENERGY DENSITY

LITHIUM BATTERY SERIES

A powerful solution for modern energy needs

High energy density, long cycle life and light weight make it a powerful answer to modern energy needs. Advanced cell technology, low maintenance and high safety standards provide uninterrupted energy support in industrial and commercial applications.

High

Energy density

Long

Cycle life

Light

Compact design

Low

Maintenance

KEY FEATURES

- High energy density
- Long cycle life
- Light, compact design
- Stable, efficient power output
- Low maintenance requirement
- High safety standards



For detailed information on our lithium battery solutions and the right storage capacity for your project, please contact the ELSIPOWER consultancy team.

APPLICATIONS



Solar storage



UPS & data centers



Telecom



Home storage



Industrial & commercial

E-MOBILITY

ELECTRIC BICYCLE
BATTERY SERIES

Long range and reliable riding performance

High energy density and a robust build deliver long range and reliable performance; advanced cell technology and stable power output make every ride smooth and efficient.



LONG RANGE

Long

Service life

High

Energy efficiency

Stable

Power output

Robust

Impact-resistant

KEY FEATURES

- Long service life
- High energy efficiency
- Stable power output
- Impact-resistant construction
- Over-charge and over-discharge protection
- Advanced cell technology



For model, capacity and compatibility information on electric bicycle batteries, the ELSiPOWER consultancy team is always at your service.

APPLICATIONS



E-bikes



Light EVs



Courier & delivery



UNINTERRUPTED POWER, UNINTERRUPTED TRUST

The assurance of continuity wherever there is energy.

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