



PRODUCT CATALOG

- AUTOMATIC VOLTAGE REGULATION (AVR)
- COLD START FROM BATTERY
- AUTO SHUTDOWN IN 7 MINUTES



1,500 VA / 900 W

1-1 PHASE · LINE-INTERACTIVE

1,500 VA ELEVATOR UPS

Power solution for elevator rescue applications

1,500 VA

nominal power · 900 W

< 10 ms

transfer time

11 kW

motor power supported

KEY FEATURES

The ELSiPOWER 1,500 VA Elevator UPS powers the elevator rescue system within 10 ms of a mains failure, so passengers are not left trapped in the car. Its peak-current-ready firmware, automatic voltage regulation and smart battery control provide safe rescue operation for elevator motors up to 11 kW. Input and output cables come ready for connection to the elevator.

1,500 VA

Nominal power
900 W

2×12 V₉ Ah

Battery capacity

< 10 ms

Transfer time

2 YEARS

Product warranty

- Microprocessor control and LED status panel
- Automatic voltage regulation (AVR)
- Wide input voltage range
- Firmware designed for peak currents
- Automatic shutdown 7 minutes after rescue
- Cold start from battery without mains
- Automatic fuse and audible alarm system
- Simulated sine wave output
- Smart battery control and deep discharge protection
- Optional: RS232 / USB communication and LCD display
- Input and output cables ready for elevator connection

RESCUE CAPACITY

Number of rescues on a fully charged battery, by elevator motor power

5.5 kW						5 times
7.5 kW						4 times
11 kW						2 times

* Rescue counts should be evaluated according to the elevator motor power and operating conditions.

APPLICATIONS



Residential Buildings



Housing Complexes



Office Buildings



Hotels



Shopping Malls & Stores



Public Buildings

RESCUE SEQUENCE



Mains fails

When building power is lost, the elevator stops in the shaft.



UPS takes over

Power is supplied from the battery in less than 10 ms.



Rescue is performed

The elevator rescue system brings the car to a floor and passengers exit.



Automatic shutdown

After the rescue, the UPS shuts down within 7 minutes to protect the battery.

TECHNICAL SPECIFICATIONS

MODEL

Model	1500 Elevator
Elevator motor power	5.5 kW / 7.5 kW / 11 kW

INPUT

Voltage	220 VAC (116 – 276 VAC)
Frequency	50 Hz $\pm$ 10 %

OUTPUT

Voltage regulation	220 VAC $\pm$ 10 % (battery mode)
Frequency	50 Hz $\pm$ 1 % (battery mode)
Waveform	Sine wave (mains mode) / modified sine wave (battery mode)
Transfer time	< 10 ms
Output sockets	4 output sockets
Crest factor	3:1

BATTERY

Battery voltage	12 VDC
Number of batteries	2
Battery type	12 V / 9 Ah sealed, maintenance-free
Recharge time	90 % capacity in 8 hours; charging current 1 A $\pm$ 0.2 A
Battery protection	Overcharge protection
Rescue count	5.5 kW: 5 times · 7.5 kW: 4 times · 11 kW: 2 times

DIMENSIONS

Dimensions (W × D × H)	136 × 328 × 186 mm
Packed dimensions (W × D × H)	198 × 436 × 245 mm
Net weight	10.2 kg
Gross weight	10.8 kg

TECHNICAL SPECIFICATIONS (CONTINUED)

FUNCTIONS

LED indicators	Green: mains · Yellow: battery · Red: UPS fault
Alarms	Audible warning on battery mode, low battery and overload
Short-circuit protection	Mains: AC fuse + electronic protection / Battery: electronic protection
Surge protection	RJ11 & RJ45 for modem and LAN (optional)
Communication	RS232 & USB (optional)
Cold start from battery	Yes
Transformer	E-type

ENVIRONMENT & STANDARDS

Operating temperature	0 °C – 40 °C
Audible noise	< 45 dB (at 1 m)
Humidity	20 – 90% (non-condensing)
Standards	CE, EN 62040-1 (LVD), EN 62040-2 (EMC)

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



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