

Li-Ion Safety Box S

PRODUCT DATA SHEET



Safe charging. Safe storage.

Safety box for charging and storing lithium-ion batteries.

Lithium-ion batteries are indispensable in modern applications.
With their increasing use, the requirements for safe charging and storage are also rising.
The Li-Ion Safety Box provides a clearly defined, protected area for charging and storage.

Inside the unit, the Li-Ion Safety Box continuously monitors the temperature.
If a defined temperature threshold is exceeded, the system shuts off the power supply to the internal sockets and releases extinguishing and cooling agents.
This reduces risks during charging and storage, limits damage, and ensures operational continuity.

Product Information

Product Designation	Li-Ion Safety Box S
External Dimensions (L × W × H)	600 × 400 × 450 mm
Usable Interior Area	540 × 340 mm
Charging Access	500 × 230 mm (200 mm max. Component Height)
Weight	43–45 kg (incl. extinguishing agent, depending on configuration)
Color	Metallic Smoke Silver (other colors on request)

Extinguishing and cooling agent

Extinguishing agent	TRIDENT® foam agent with high cooling performance (per manufacturer specifications)
Quantity	8 L
Service Life	10 years
Discharge Duration	~ 3 min

Accessories

Available on request	Connection materials for the extraction of fire gases
Installation	by a qualified specialist on site

Power Supply

Mains Power Supply	110–230 V AC 50–60 Hz
Internal Power Sockets	4 × 110/230 V (for chargers)
Total Current	max. 10 A total
Internal Power Supply	13.6 V LiFePO4 (rechargeable)
Key Switch	ON - Box active OFF - Box inactive

Ambient Conditions

Protection Class	IP54
Ambient Temperature	5–45 °C (protect from direct sunlight)
Relative Humidity	5–95% relative humidity

Maximum permitted battery capacity

Max. single battery	2,2 kWh
Max. total capacity	2,2 kWh (simultaneous total capacity)

Maintenance and Care

Maintenance	Maintenance-free
Cleaning	with warm water, inside and outside
Note	See operating manual for further instructions.

⚠ Warning Notices

- For storage and charging of lithium-ion batteries only.
- Full protective performance is only ensured when the unit is fully closed.
- Do not store flammable materials in the immediate vicinity.
- Operate only within the specified maximum battery capacities.
- Ensure adequate ventilation in poorly ventilated facilities.

Scope of Delivery

1 x	Li-Ion Safety Box S
1 x	IEC mains power cord
1 x	Operating Instructions
1 x	Key
Note	Chargers are not included.

Additional Information

The information in this Product Data Sheet is based on tests and practical experience and serves to describe the product. It does not replace applicable guidelines, standards, approvals, or the on-site risk assessment. The operator is responsible for compliance with applicable regulations and for proper installation and operation. Due to the wide range of possible operating conditions, we recommend verifying suitability for the specific application before commissioning. No additional claims may be derived from the information contained in this document. Delivery, processing, and warranty are subject to our General Terms and Conditions.

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Safety everywhere where lithium-ion batteries are in use

