*Strain*Lock
DATA SHEET

In the case of damage, lithium-ion batteries can generate pressure surges that can be accompanied by explosions. The resulting gases are highly toxic. As a result, the risk scenario is fundamentally different when compared with traditional storage cabinets for hazardous substances.

The risk is no longer of a fire acting on the cabinet from the outside but of a fire inside the cabinet, accompanied by flames, explosions and toxic gases.

The *Strain*Lock is the ideal solution for the safe storage of lithium-ion batteries. This innovation was developed for this special risk scenario, and boasts a filter system that holds back toxic gases and dusts along with sparks and flames.
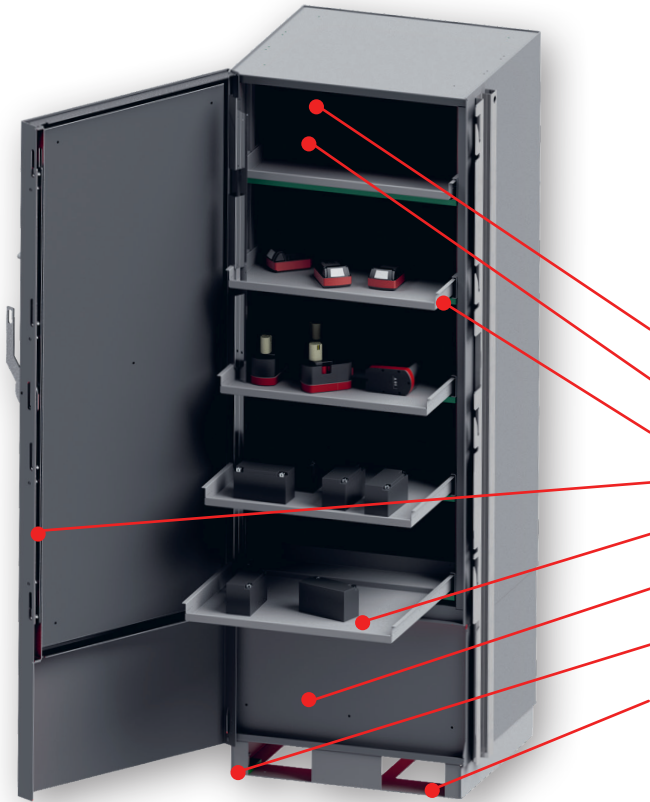
The integrated thermal management system prevents the development of critical temperatures on the outside walls. If a battery inside the *Strain*Lock sustains damage, the safety features prevent fire spread and the contamination of the surroundings.

Main features
- Safe stationary storage of lithium-ion batteries
- Also suitable for faulty lithium-ion batteries and lithium-ion batteries in a critical state
- Certified integral system
- Pressure-resistant design
- Integrated gas filter system
- No escaping sparks, flames, liquids or solids
- Individual sealing of shelves if a damage event occurs

Options
- RAL colours available on request
- Cable gland
- Pull-out drawers
- Fire detection
- Cooling
- Temperature monitoring with live display in SMC app
- Charging function incl. 5 sockets per shelf

STÖBICH°

Technical data

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Outer dimensions	L x W x H · 621 x 718 x 1,971 mm
Inner dimensions	L x W x H · 560 x 571 x 1,390 mm
Shelf heigt	257 mm (248 mm with optional pull-out drawers)
Permissible energy content	12 kWh (max)
Unladen weight	450 kg

Gas conduit system

Socket strips (optional)

Flame spread inhibiting shelves

Stable locking

Pull-out drawers (optional)

Integrated filter system

Height-adjustable stand

Roll-under stand

1265
560
428
1390
571
257 (248)
691
621
718
1971

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