

# SYSTEM: STRAINLOCK



## Product description

In the event of an accident, lithium-ion batteries generate pressure surges that can be accompanied by explosions. The resulting gases are highly toxic. The hazard scenario has therefore changed fundamentally compared to the previous dangerous goods storage solutions: The fire hazard no longer acts on the cabinet from the outside, it acts from the inside and is accompanied by flames, explosions and toxic gases.

The StrainLock is the solution for the safe storage of lithium-ion batteries. The new development for this special hazard scenario has a filter system that holds back toxic gases and dusts as well as sparks and flames.

The integrated thermal management prevents a critical temperature of the outer walls. Should a battery inside the StrainLock have an accident, the safety measures taken prevent the spread of fire and contamination of the surrounding area.

**Main features**

also suitable for critical and defective lithium-ion batteries

the circuit of each compartment has a separate fuse

Integrated gas filter system

Secure and stable locking

mechanical strength

pressure-resistant construction

tested complete system

Protection of persons and property

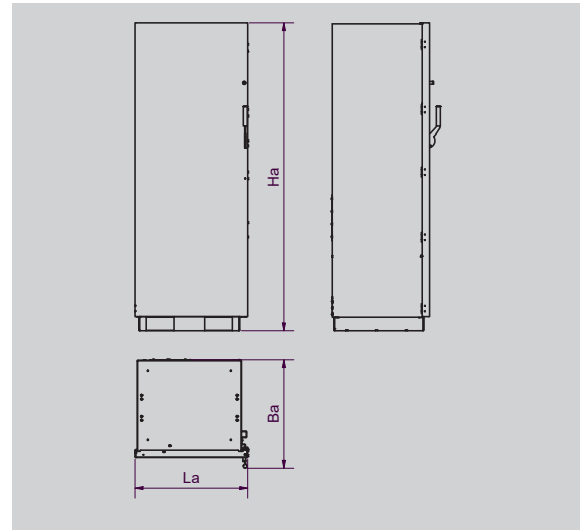
No escape of sparks and flames

The drawers lock individually in the event of an emergency

No leakage of liquids and solids

## Product features

Technical data	StrainLock
External dimensions $L_a \times W_a \times H_a$	718 x 692 x 1.966 mm
Compartment dimensions L x W x H	574 x 535 x 258 mm
Unladen weight	388 kg
Load-bearing capacity	5 x 50 kg
Max. energy content	5 x 2,5 kWh



### Variants

Colour selectable

Power strips

extendable drawers

Individually assignable cable entry

### Description of the components

Gas control system

Socket strips (optional)

Flame spread resistant shelves

stable locking

Pull-out drawers (optional)

Cable gland (optional)

integrated filter system

Height adjustment of the stand

under-run stand