

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 hazardous goods storage solutions: The fire hazard no longer acts on the outside of the cabinet, 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 retains toxic gases and dust as well as sparks and flames.

The integrated thermal management system prevents the outer walls from reaching critical temperatures. Should a battery inside the StrainLock break down, 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

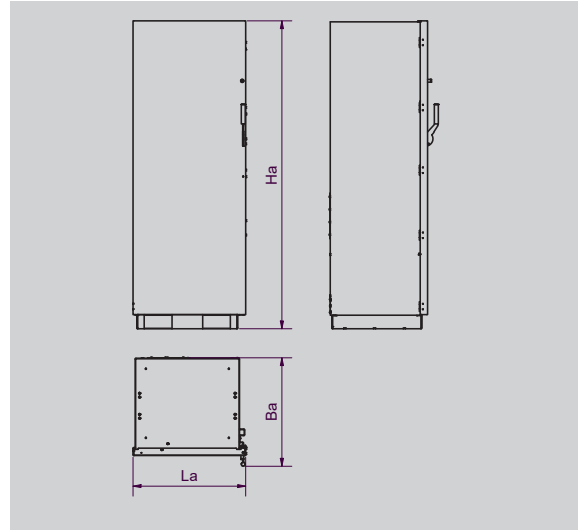
No escape of sparks and flames

The drawers lock individually in the event of an emergency

No leakage of liquids and solids

Product features

Technical data	StrainLock F (standard)	StrainLock F-S-E „Charge“
External dimensions $L_a \times W_a \times H_a$	718 x 692 x 1,966 mm	718 x 692 x 1,996 mm
Compartment dimensions L x W x H	574 x 535 x 258 mm	574 x 530 x 250 mm
Unladen weight approx	388 kg	425 kg
Load-bearing capacity	5 x 50 kg	5 x 30 kg
Max. energy content	5 x 2.5 kWh	5 x 2.5 kWh



Variants

Colour selectable

E: Socket strips
(only in conjunction with pull-out drawers)

S: pull-out drawers

K: 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