

Pos.	Stück	Leistungsbeschreibung	E-Preis	G-Preis
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10 1 **PRIOLION**
Safety cabinet for lithium-ion batteries

Fire-resistant safety cabinet, specially developed for the storage and charging of lithium-ion batteries, also for the storage of critical batteries. The safety cabinet, which was tested in accordance with test principle EK5/AK4 22-01 as well as in a real fire and GS (tested safety) certified, offers a fire resistance of 90 minutes both from the inside and the outside. This prevents a fire spreading from the inside to the outside as well as a burning of the critical stored goods in the event of a fire inside the installation site. A release of toxic fumes/gases in the event of a battery fire is prevented.

Function

- Tested fire protection
- Tested fire resistance of 90 minutes from the outside to the inside according to DIN EN 14470-1
- Max. temperature rise in the interior at no temperature measuring point more than 100 K
- Tested fire resistance of 90 minutes from inside to outside according to DIN EN 1363-2
- GS mark - tested according to test principle EK5/AK4 22-01
- Self-closing doors tested for continuous use
- Suitable for the storage and charging of lithium-ion batteries
- Suitable for the storage of critical batteries (deformation, leakage of liquids, increased temperature above 40°C).
- Internal real fire test of an equipped cabinet

Structure & equipment

- Safety cabinet with high-quality surface inside and outside
- Permanently self-closing doors with oil-damped door closers
- Double-leaf version, double traffic leaf with centre bar
- Each door can be operated with one hand
- Cupboard doors close automatically from any position
- Doors lockable with profile cylinder (lockable)
- Incl. technical ventilation (to avoid heat accumulation in the interior)
- Closure of supply and exhaust air in case of fire, triggering via thermocouple and smoke detector
- Integrated pedestal that can be moved underneath, height 100 mm with removable pedestal cover, thus easy change of location possible
- Base cover included in scope of delivery
- Four height-adjustable gratings, max. load 75 kg/floor
- Integrated liquid-tight base tray (powder-coated sheet steel) to absorb any leakage that may occur.
- Each storage level can be equipped with a socket strip incl. 10 protective contact sockets
- Ready to plug in for connection to the mains supply
- With control unit as standard (visual and acoustic status indication)
- Smoke detector inside the cupboard automatically triggers in case of fire
- Optional fire suppression system
- A potential-free interface is available for connecting a signal (e.g. to a control centre).
- Complete disconnection of the power supply to the cabinet

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- in the event of an emergency
- Overvoltage protection

Material & surface

- Standard surface CPL
- Non-combustible panel with surface coating, classified A2 - s1, d0: non-combustible
- Standard surface light grey, similar to RAL 7035
- Different decor surfaces on request

Dimensions

- External dimensions H x W x D (mm): 2250 x 1212 x 664
- Internal dimensions H x W x D (mm): 1687 x 1004 x 453

Scope of delivery

- PRIOLION Safety cabinet for active and passive storage of lithium-ion batteries
- 4 grid shelves
- Floor tray
- Control unit 230 V/AC

Equipment variants

- Fire suppression system
- Socket strip (10 slots)
- Control unit 400 V/AC

Power strips (number): 1
 2
 3
 4

Fire suppression system: yes no

Accessories

- Mesh grid shelf with 4 shelf supports packed in a box
- EBEL-GSM telecommunication module, power supply unit, 2x CR123 batteries, SIM card, connection cable (1 m) with suitable plug for PRIOLION

Options:

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Typ: PRIOLION LI92.195.120

Fabrikat: PRIORIT AG
www.priorit.de
Tel.: +49 6181 / 3640 0
Fax : +49 6181 / 3640 210