

# 105-минутные шкафы безопасности для хранения литий-ионных аккумуляторов

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## 105 MINUTE SAFETY CABINETS FOR LITHIUM-ION BATTERY STORAGE AND CHARGING



▲ 790+1FLIX4+B1FLI



▲ 790+2FLIXA+B2FLI

### COMPLIANCE

- REGULATION - EU -2023/1542 - Article 42 - 4. Storage or transport conditions ensure the conformity of batteries.
- Construction for fire resistance (from outside to inside) of 105 min or 90 min, according to EN 14470-1 & EN 1363-1.
- Fireproof construction (from the inside to the outside) certified EI 180 min type A1, according to NF EN 13501-2.
- Standardised pictograms in accordance with ISO 3864, ISO 7010, European Directive 92/58/EEC and EN 14470-1.

### ADVANTAGES

- Full height handle for better ergonomics and ease of opening.
- Legs for easy movement by pallet truck: avoids heavy handling and allows the cabinet to be moved easily in the event of a new layout
- Aesthetic and easy to use skirting board cover without the need for fixing tools.
- Ventilation ducts with hot-melt system to isolate the contents of the cabinet in the event of fire.

### PASSIVE SAFETY

- Double wall construction:
  - External walls in 12/10th steel + white epoxy paint RAL 9010.
  - Internal walls in white RAL 9010 melamine.
- Thermal insulation panels between the walls to limit thermal bridges.
- Fixing point for earthing.

### ACTIVE SAFETY

- Thermo-expanding door seals.
- Ventilation holes with 100 mm diameter ventilation outlet for possible connection.
- Doors with automatic closing and key lock.

### OPTIONS

- Perforated shelf for 790+1FLI with 100 KG load capacity (Ref. E1FLI)
- Shelving consisting of 4 perforated levels for 790+2FLI with 150 KG load capacity (Ref. R2FLI). Total shelf weight: 30kg. Colour: grey RAL 7035. Perforated posts at 25mm pitch
- Containment sump at the bottom (Ref. B1FLI or B2FLI)
- Fire extinguisher automatically triggered at 79°C by special lithium thermal bulb (Ref. EX500LI) (by smoke detection if included in the VIG590).
- Rack of electrical outlets for recharging batteries (ref. PRISELI / see the chart by country).
- Fire-resistant cables and casing.
- 3ML IEC cable for quick disconnection.
- Drilling in the lower part for cable passage with fireproof cable gland (Ref. PEXTBALI)
- Security and alarm unit comprising: visual and audible alarm, control box, fire extinguisher automatically triggered by a smoke detector, and cable duct (Ref. VIG590).

Fume hoods, filtering cabinets - Ventilation

Lithium-ion cabinets

Flammable cabinets

Corrosive cabinets

Toxic cabinets and Multirisk

Containment and cans

File cabinets Anti-fire equipments

Showers and first-aid equipments



## NON-EQUIPPED CABINETS

P/N	Description	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Weight (kg)
790+1FLI	Safety cabinet for the storage of lithium-ion batteries	2050 <sup>(1)</sup> x 905 x 903	1685x760x 695	392
790+2FLI	Safety cabinet for the storage of lithium-ion batteries	2050 <sup>(1)</sup> x 1502 x 903	1685x1350x695	652

## PRE-EQUIPPED CABINETS

P/N	Description	External dimensions H x W x D (mm)	Weight (kg)
790+1FLIA4	2 doors 90 minute fire cabinet for Li-ion batteries pre-equipped with 4 shelves E1LI + 1 x EX500LI (extinguisher)	2050 <sup>(1)</sup> x 905 x 903	432
790+1FLIX4	2 doors 90-minute fire cabinet for Li-ion batteries, pre-equipped with 4 E1FLI shelves + 1 x VIG590 (visual and audible alarm, control box, automatic smoke detector, 1 EX500LI fire extinguishers and cable duct on top [ref. PINTOLI])	2050 <sup>(1)</sup> x 905 x 903	442
790+2FLIA4	2 doors 90 minute fire cabinet for Li-ion batteries pre-equipped with 4 E2LI shelves + 2 x EX500LI (fire extinguisher)	2050 <sup>(1)</sup> x 1502 x 903	692
790+2FLIX4	2 doors 90-minute fire cabinet for Li-ion batteries, pre-equipped with 4 E2FLI shelves + 1 x VIG590 (visual and audible alarm, control box, automatic smoke detector, 2 EX500LI fire extinguishers and cable duct at the top [ref. PINTOLI])	2050 <sup>(1)</sup> x 1502 x 903	702

## ACCESSORIES

P/N	Description	External dimensions H x W x D (mm)	Weight (kg)	Corresponding cabinet(s)
E1FLI	Perforated shelf for cabinet 790+1FLI	50 x 750 x 680	7.5	790+1FLI
B1FLI	Containment sump for 790+1FLI cabinet	90 x 750 x 680	5	790+1FLI
R2FLI	Shelf with 4 perforated levels for 790+2FLI	1500 x 1250 x 600	30	790+2FLI
E2FLI	Additional level for 790+2FLI cabinet	50 x 1250 x 600	7	790+2FLI
B2FLI	Containment sump for 790+2FLI cabinet	90 x 1250 x 600	10	790+1FLI
EX500LI	Self-activating fire extinguisher at 79°C with special lithium bulb for 790+1FLI and 790+2FLI		2	Any model
VIG590	Security and alarm package including visual and audible alarm, control box, automatic smoke detector, EX500LI fire extinguisher and cable entry for 790+1FLI and 790+2FLI		10	Any model
PEXTBALI	Cable entry hole with fire-resistant cable entry at the bottom (max. 4 cables)		-	Any model
PINTOLI	Internal cable duct in upper part		-	Any model
PRISELI	Rack of 8 electric outlets (220 volts - 4000 watts - 16 amps - 50hz)		2	Any model
PRISELIF	Rack of 8 electric outlets type F (Germany)		2	-
PRISELICH	Rack of 8 electrical outlets type J (Switzerland)		2	-
PRISELIUK	Rack of 7 electrical outlets type G (United Kingdom)		1,7	-
PRISELICC	Rack of 6 electrical outlets equipped with a thermal-magnetic circuit breaker		-	Any model
ONDULI	4-socket safety inverter for VIG590 only (H 90 x W 163 x D 245 mm - 230 volts - 300 watts - 500 volts)		3,5	Any model
SERCODE	Digital code lock (one per door)		1	Any model
SED	WiFi alarm and data logger system		1	Any model

(1) Height including connecting sleeve on top. Height without sleeve: 2000 mm

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