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

EN 16121 CE **90** APPROVED EN14470-1 EN1363-1 **105** TESTED EN14470-1 **EI 180** FIREWALL EN13501-2 MADE IN EUROPE

THREE-PHASE ELECTRICITY SUPPLY SYSTEM

▲ 794+LIX4TR4

▲ 795+LIX4TR4

DESCRIPTION

The cabinets can be connected to a **three-phase** electricity supply system. We can design and equip our cabinets according to your requirements or electrical constraints. Quick disconnection systems and other electrical specifications are available on request.

COMPLIANCE

· REGULATION-UE-2023/1542. Article 42-4. Storage or transport conditions ensure battery compliance.
· Complies with level 2 of standard EN 16121+A1 (80000 opening/closing cycles).
· Fire resistance (from outside to inside) tested for 105 min and approved for 90 min, in accordance with EN 14470-1 & EN 1363-1.
· Fire-stop construction (from inside to outside) in panels certified to EI 180 min type A1, in accordance with standard NF EN 13501-2.
· Standardized pictograms comply with ISO 3864, ISO 7010 and European Directive 92/58/EEC.

ADVANTAGES

· Full-height handle for improved ergonomics and ease of opening.
· Legs for easy movement by forklift: avoids heavy handling and makes it easy to move the cabinet if a new layout is required.
· An attractive, easy-to-use skirting board cover that requires no fixing tools.

PASSIVE SAFETY

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

ACTIVE SAFETY

· Heat-expanding door seals.
· Ventilation ports with 100 mm dia. ventilation outlet for possible connection.
· Self-closing door with key lock.
· Connection via IP 44 socket, 32A - 3P+T+N 6h 380/415V.
· When the alarm is triggered, the power supply to the indoor sockets is cut off, but the power supply to the alarm is not cut off.
· Control box with dry contact for controlling an alarm control unit or management system.
· The cabinet is powered by a single cable delivering a maximum of 20,000 W evenly distributed. The maximum power per PRISELITRI is therefore 4000 W. If the cabinet is fitted with 6 x PRISELITRIs, each PRISELITRI will only need to «consume» a maximum of 3300 W.
· Ventilation ducts with hot-melt system to isolate the contents of the cabinet in the event of fire.
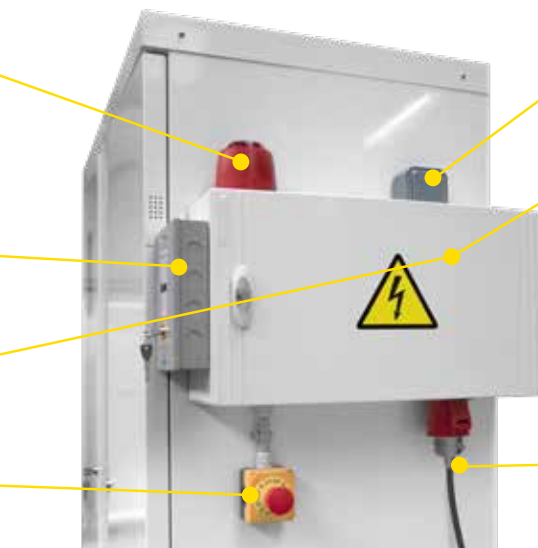
EQUIPMENT & OPTIONS

· Perforated shelves included with load capacity of 50 KG (Ref. E48LI) or 100 KG (Ref.E35LI).
· Removable retention bin in lower section as an option (Ref. B148 or B235)
· Rack of sockets for recharging 220V batteries (Ref: PRISELITRI) compatible with TRIPHASE system. Unlike the classic PRISELI, the cables are connected directly to the box and are electrically cut off when an alarm is triggered (these components cannot be sold separately).
· 3-metre detachable general power cable with 32A male plug - 3P+T+N 6h 380/415V / Free (Ref. CABL32TRI).
· Hole at bottom for cable passage with fire-resistant cable gland (Ref. PEXTBALI).

RANGE 790+LI

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EN 16121 · CE · **90** APPROVED EN14470-1 EN1363-1 · **105** TESTED EN14470-1 · **EI180** FIREWALL EN13501-2 · MADE IN EUROPE

In the event of a fire, the safety features are independent and remain functional: the rotating beacon remains on, the fire extinguisher is triggered and the control box is always active.

Earthing of the metal structure via the electrical box.

Each power strip is protected by a differential circuit breaker.

A «punch» emergency stop allows you to cut the power to the multiple sockets and the external socket (used for the ventilation box).
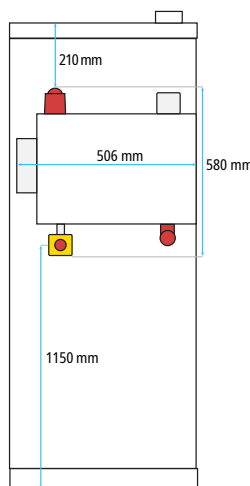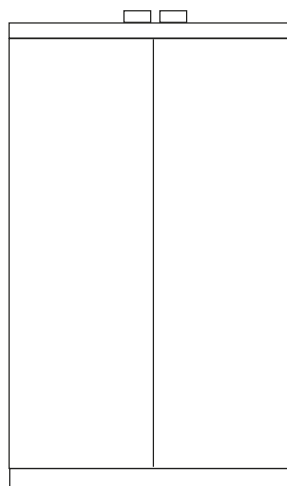
External socket for connecting a ventilation box.

Management of safety equipment: the front panel and circuit breakers are outside the confined area. No need to open the enclosure door(s) if there is any doubt about a power supply.

Fire-resistant internal electrical cables + fire-resistant junction box.

A single, detachable power supply cable for all the equipment in the cabinet (CABL32TRI)

150mm · 553mm (ouvert / *open*) · 210 mm · 506 mm · 580 mm · 1150 mm

▲ Inside the three-phase electrical cabinet

P/N	Description	External dimensions H x W x D (mm)	Weight (kg)
798+LIX2TR2	1 door countertop 90 min fireproof cabinet for lithium batteries, pre-fitted with 2 E48LI shelves + 1 x VIG190 (visual and audible alarm, control box, automatic smoke detector, extinguisher EX100LI) and internal cable duct +Three-phase system consisting of 2 PRISELITRI, connected via a 32A - 3P+T+N 6h 380/415V socket.	1100 x 785 x 670 [1]	193
793+LIX2TR2	2 doors countertop 90 min fireproof cabinet for lithium batteries, pre-equipped with 2 E35LI shelves + 1 x VIG190 (visual and audible alarm, control box, automatic smoke detector, extinguisher EX100LI) and internal cable ducting +Three-phase system consisting of 2 PRISELITRI, connected via a 32A - 3P+T+N 6h 380/415V socket.	1100 x 1287 x 670 [1]	308
794+LIX4TR4	1 door tall 90 min fireproof cabinet for lithium batteries, pre-equipped with 4 E48LI shelves + 1 x VIG190 (visual and audible alarm, control box, automatic smoke detector, extinguisher EX100LI) and internal cable duct +Three-phase system consisting of 4 PRISELITRI, connected via a 32A - 3P+T+N 6h 380/415V socket.	1950 x 785 x 620 [2]	298
795+LIX4TR4	2 doors tall 90 min fireproof cabinet for lithium batteries, pre-fitted with 4 E35LI shelves + 1 x VIG290 (visual and audible alarm, control box, automatic smoke detector, extinguisher EX200LI) and internal cable ducting +Three-phase system consisting of 4 PRISELITRI, connected via a 32A - 3P+T+N 6h 380/415V socket.	1950 x 1287 x 620 [2]	463
CABL32TRI	Removable general power supply cable 3 metres 32A male plug - 3P+T+N 6h 380/415V / Free	-	-
PRISELITRI	Rack of 8 sockets for three-phase system (3) (220V - 16A - 50hz)	-	2
PEXTBALI	Hole for cable duct with fire-resistant cable duct at bottom (max. 4 cables) (3)	-	-
E48LI	Perforated shelf for 1 door cabinet	-	5
E35LI	Perforated shelf for 2 doors cabinet	-	7
B148	Retention bin for 1 door cabinet	-	5
B235	Retention bin for 2 doors cabinet	-	10

(1) Depth including rear connection sleeve. Depth without sleeve: 620 mm
(2) Height including top connection sleeve. Height without sleeve: 1900 mm
(3) These elements cannot be sold separately, i.e. without a cabinet listed above.