Atelier Boonen - Asecos ION-CORE 90



Additional information

brand: Asecos

Asecos ION-CORE 90 – Safety Cabinet for Passive Battery Storage

The Asecos ION-CORE 90 is a reliable safety cabinet designed for the passive storage of lithium-ion batteries in work environments. The cabinet provides 90 minutes of fire resistance from both inside and outside, tested according to EN 14470-1 and EN 1363-1 standards.

Insulated shelves reduce the risk of fire spread between individual batteries in the event of an incident. An integrated smoke detection system with potential-free contacts ensures early warning and can transmit alarm signals to a monitoring station – even in unattended areas. Optionally, a telecommunication module is available to forward alarm notifications to mobile phones.

The two-point locking system keeps the doors securely closed in case of fire or explosion pressure. Designed for everyday practicality, both doors can be opened with one hand, and the integrated transport base allows the cabinet to be easily relocated or evacuated within the building.

Note: The ION-CORE 90 is **not certified according to VDMA 24994**. This cabinet is recommended for the passive storage of lithium-ion batteries.

How many batteries you may store in a cabinet and what to watch for when charging is explained in our guide to the storage of hazardous substances.

See also our other safety cabinets for batteries, supplied and installed by our own team in Belgium.

- Fire resistance: 90 minutes according to EN 14470-1 and EN 1363-1
- Compliance: CE-certified
- Application: For passive storage of lithium-ion batteries
- Shelves: Insulated to prevent internal fire spread
- Detection: Integrated smoke detector for early fire detection
- Connection: Potential-free contact for alarm transmission (optional telecommunication module)
- Locking system: Two-point locking mechanism for secure door closure
- Operation: Both doors can be opened with one hand
- Transport: Integrated transport base for internal relocation or evacuation
- Colour scheme: Body in anthracite grey (RAL 7016), hinged doors in gentian blue (RAL 5010)
- Interior: 4 × insulated shelves, 1 × bottom spill tray made of sheet steel with epoxy coating
- Load recommended by asecos: 1 kWh per storage level; maximum 15 kg per battery; do not store visibly damaged batteries in the cabinet

Model specifications

Model	Outer dimensions (mm)	Internal dimensions (mm)	Volume (L)	Weight (kg)	Shelves
Asecos IO90.195.060.CS.WSC	H1953 W599 D615	H1647 W450 D503	447 L	316 kg	3
Asecos IO90.195.120.CS.WDC	H1953 W1193 D615	H1647 W1050 D503	869 L	512 kg	3