Lithium-Ion Battery Cabinets

EcosSafe 600mm WIDE MID-HEIGHT CABINET

Compliance

• REGULATION - EU -2023/1542 - Article 42 - 4. Storage or transport conditions ensure the conformity of batteries.

• Complies with level 2 of standard EN 16121+A1 (opening/closing 80000 cycles and placement of the load defined by the manufacturer on the shelves).

• Proven fire resistance of 105 minutes, according to the ISO 834 curve as per the EN 14470-1 standard .

• Standardized warning labels in accordance to ISO 3864 and ISO 7010, as well as the European directive 92/58/EEC.

Construction

• Steel construction and double thermal insulation triple wall.
• Outer walls in 12/10th steel and white RAL 9010 epoxy painting.
• Thermal insulation panels limiting thermal bridges.
• Melamine interior panels.

Equipments

• Thermodilating door seals.
• Doors with automatic closing.
• Key closing.
• Ventilation holes with ventilation outlet Ø 100 mm for possible connection.
• Ventilation ducts with hot-melt system to isolate the contents of the cabinet in case of fire.
• Fixing point for earthing link.

Ventilation

All cabinet models have ventilation holes, allowing them to be connected to a ventilation system. Forced ventilation is strongly recommended to prevent internal heat build-up or stagnation of vapors in the event of electrolyte liquid leakage. This can be connected either to an external outlet or to a ventilation or filter box.

- ✓ 105 Minutes certified fire resistance
- ✓ 635W x 670D x 1,100H (mm), Double door arrangement
- ✓ 2 no. 100Kg capacity shelves
- ✓ Low Level sump in base with insert for storage
- ✓ 2 No. Racks of 7 electrical outlets for charging.
- ✓ Breakthrough for cable entry with fire-resistant cable
- ✓ Packing for shipment

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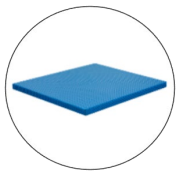
Optional Extras

Fire Extinguisher £710	Standalone, self activiating fire extinguisher activating at 79 C with special lithium bulb.	
Security & Fire System £1,470	Security and fire alarm package including visual and audible alarms, control box and self activated fire extinguisher included.	
Cable Penetration £220	Fire-rated cable breakthrough transition for up to 4 no. cables in lower part of cabinet. Required if more charging points required.	
Extraction £570	Extraction fan box and flexible duct connection kit with Ø100mm inlet/outlet and flowrate of 240m3/h. Used to remove charging heat build up / fumes.	
Wifi Datalogger £645	TREND temperature and alarm status over time via WiFi accessible by any internet browser. Subscription to data hosting cloud included.	
Digital code door lock £295 per door	Key lock replaced with digital keypad lock (1 no. required per door.	
Additional Shelving £75 single door cabinet £135 double door cabinet	Powder coated shelf with perforations to allow airflow and extinguishing agent dispersion throughout the unit in the event of a fire or thermal runaway.	
Additional Power Rack of 7 no. outlets £180	Rack of 7 no. power outlets mounted on the rear wall of the unit per shelf level.	

Disclaimer: Items are not sold separately. Must be purchased with a safety cabinet.