



MODELS LOXK2000

- LOXK2000 STANDARD STORAGE
- **LOXK2000 STANDARD**
- LOXK2000 ADVANCED
- LOXK2000 ADVANCED PRO – KIWA CERTIFIED

* each model was successfully tested with an effective lithium fire under the supervision of KIWA.

Technical datasheet

LOXK2000 STANDARD

The storage and charging cabinet is designed for indoor use to safely store and charge Lithium-ion batteries, primarily focusing on batteries for electric bicycles, e-scooters, hand tools, drones, walkie-talkies, and similar devices.

General operation

- 60 minutes fire-resistant
- Main functionalities:
 - Ensuring safe operation
 - Detecting smoke and fire
 - Alerting in case of danger
 - Controlling Lithium battery fires in the cabinet to prevent fire spread.
- Operation upon smoke detection:

Smoke detection can identify the earliest signs of fire hazard. Upon smoke development, the following steps are sequentially taken:

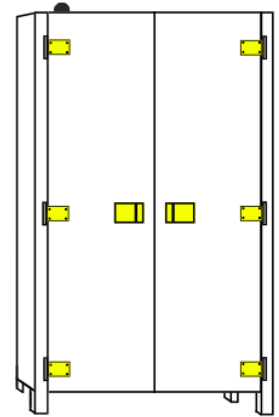
- Alert via siren and red flashing light
- Interrupt the charging of the batteries





TECHNICAL SPECIFICATIONS

Type		LOXK2000 STANDARD	
Weight		kg	410
Height	Outer dimension	mm	1.930
	Inner dimension	mm	1.590
Width	Outer dimension	mm	1.141
	Inner dimension	mm	1.021
Depth	Outer dimension	mm	758
	Inner dimension	mm	607
Total height (+ detachable visual alarm)		mm	1.930 (+45)
Power supply standard (Optional)		V	380 (230)
Airflow		m ³ /minute	1.21
Operating temperature		°C	5-35
Relative humidity		%	30-70
Siren sound level		dB(A)	94-106



TECHNICAL FEATURES

Smoke detection

The cabinet is equipped with 1 smoke detector.



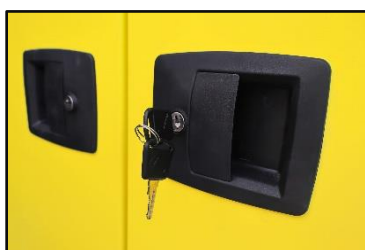
Audiovisual alarm

The cabinet is equipped with an audiovisual alarm that will alert you in case of smoke detection.



Doors and locks

2 self-closing doors with multi-point locking, lockable with a key.





Overpressure relief valve

An overpressure valve with flame-resistant mesh is provided at the top of the cabinet. In case of a sudden temperature rise and pressure build-up, the overpressure valve will automatically open and reduce the built-up pressure to normal atmospheric value.

Shelves

4 adjustable shelf grids to adapt the distance between the shelves. The shelves with mesh structure have a load capacity of max. 70 kg.



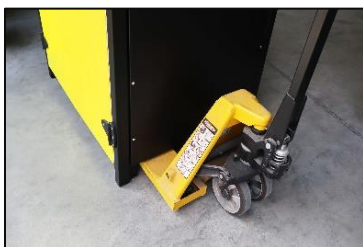
Power Distribution Strips

Each shelf grid has a power distribution strip with 8 sockets for charging Lithium-ion batteries with a maximum current of 16A per socket.



Support Footrests

The cabinet is equipped with adjustable footrests and can be moved via pallet truck from all 4 sides, allowing quick relocation of the cabinet in case of incidents.



Ventilation

The LOXK2000 STANDARD is equipped with natural ventilation to prevent heat build-up in the cabinet due to the charging process.