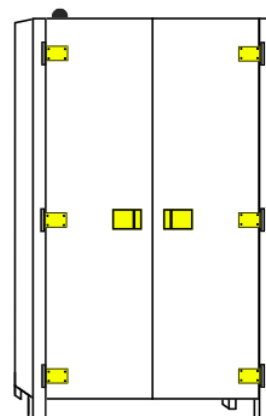


# Technical Datasheet

## LOXK2000 VDMA

### Application Area

The storage and charging cabinet is designed for indoor use to safely store and charge lithium-ion batteries, primarily intended for batteries of electric bicycles, e-scooters, power tools, garden tools, drones, walkie-talkies, and similar devices.



### TECHNICAL SPECIFICATIONS

Type		LOXK2000 VDMA
Height	External dimension	1.930 mm
	Internal dimension	1.600 mm
Width	External dimension	1.145 mm
	Internal dimension	1.070 mm
Depth	External dimension	745 mm
	Internal dimension	640 mm
Standard power supply (optional)		380 V 220 V
Airflow		1.21 m <sup>3</sup> /minute
Weight		450 kg
Ambient temperature		5-35 °C
Relative humidity		30-70 %
Siren sound level		94-106 dB(A)

Technical specifications	
Fire-resistant storage and charging cabinet	✓
VDMA tested and approved	✓
4 fire-resistant shelves (To prevent fire spread between different levels)	✓
Adjustable leveling feet	✓
Cutouts for pallet jack on all sides	✓
Smoke and temperature detection	✓
Alarm system (via audiovisual alarm and RGB LED)	✓
Connection provided for ventilation system	✓
Active ventilation to prevent heat buildup in the cabinet	✓
4 charging strips (The number of outlets depends on the type of charging strip)	✓
2 self-closing doors with lock	✓
Connection available for wired integration with fire control panel	✓
Optional: aerosol fire suppression system	✓

**Aerosol fire suppression system (optional)**

The cabinet can be equipped with a certified aerosol fire suppression system. In the event of an alarm, the aerosol is immediately activated and disperses throughout the entire cabinet space. The aerosol cools and controls the battery.

**Technical info aerosol (optional)**

Model	AFX 150
Activation method	Electric (6–36V DC, 1.0A within 1–2 sec)
Total weight	2.500 gram
Net usable weight of extinguishing agent	150 grams effective
Discharge time	<30 seconds
Discharge outlet	Standard
Number of discharge outlets	1
Discharge range per outlet	1.5 m
Dimensions	310 mm x 94 mm (diameter)