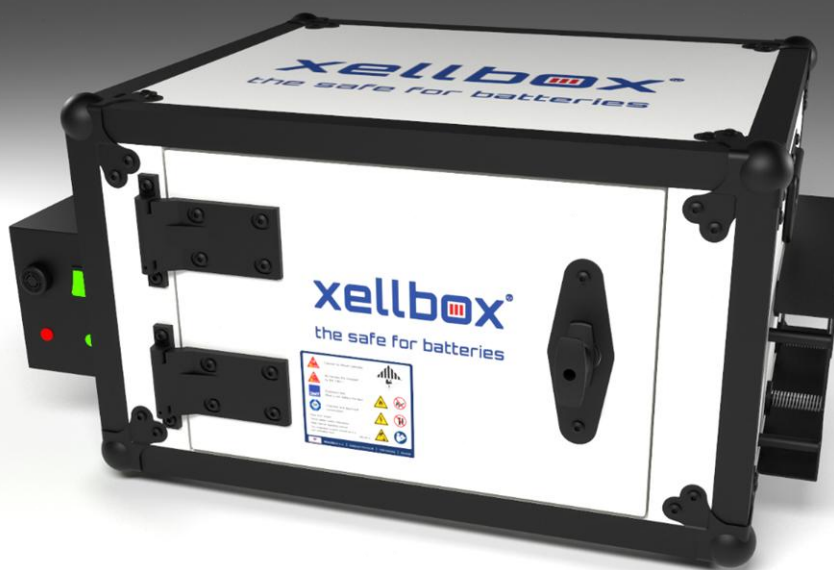




the safe for batteries

USER MANUAL

- **xellbox[®] battery storage cabinet**
with smoke detector (no power supply, unventilated).
- **xellbox[®] battery storage and charging cabinet**
with smoke detector, internal power supply, technical ventilation, with alarm signal and automatic power-off switching in the event of fire and smoke generation.



OPERATING INSTRUCTIONS



Provide to the operator.
Must be read carefully before using the equipment for the first time.
Retain for future use.



Important!

These operating instructions must be stored near the battery storage or charging cabinet in an environment protected from moisture and heat.



Important!

Do not amend the contents of these operating instructions.
Do not damage, amend or remove any part of these operating instructions.
If required, new operating instructions for the battery storage or charging cabinet can be obtained from the manufacturer MINERALKA d.o.o.



Important!

These operating instructions must be passed on with the battery storage or charging cabinet if it is sold.

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1 GENERAL PROVISIONS

This XELLBOX battery cabinet is designed with state-of-the-art technology and meets all relevant technical safety regulations. It is certified with the CE mark, indicating compliance with applicable EU Directives and harmonized standards used during its design and production.

The fire-resistant protective shell of XELLBOX battery cabinet has been tested per norm EN 1366-1 for EI 60 minutes. To ensure safe operation, the battery cabinet should only be used in its original, manufacturer-supplied condition, free of any defects.

For safety purposes, any unauthorized modifications to the battery storage or charging cabinet are strictly prohibited.

1.1 Safety

Each battery cabinet undergoes thorough testing for functionality and safety before shipment.

When operated as intended, the battery cabinet is safe for use.

However, improper use, failure to follow safety instructions, or misuse may lead to potential risks, including:

- Harm to the operator's safety and well-being.
- Damage to the battery cabinet and other property owned by the user.
- Impairment of the battery cabinet's functionality.

As the operator, you are responsible for ensuring the following:

- All safety instructions are fully understood and adhered to.
- Compliance with applicable workplace safety and fire protection regulations.
- Implementation of personal protective measures as outlined in the safety data sheet for the lithium batteries used.
- Only trained personnel are permitted to operate the battery cabinet (refer to the chapter "Using the Battery Cabinet").
- The door access area is always clear.
- Doors remain closed when not in use.
- Doors are locked with the keys provided to prevent unauthorized access.
- Any damage to electronic components is promptly repaired by an authorized service technician or a MINERALKA d.o.o. employee.

1.1.1 Maintenance and monitoring

The maintenance schedules outlined in these operating instructions represent the absolute minimum required to maintain safety and extend the service life of the device under normal usage conditions.

Always remain vigilant for any malfunctions or potential safety concerns.

Before removing any protective covers, ensure the power supply is disconnected.

User responsibilities include:

- Preparing operating instructions.
- Conducting a risk assessment.
- Assigning tasks to designated personnel.

The battery cabinet must undergo regular inspections to verify it remains in safe working condition. These inspections should include:

- Visual checks for any damage (e.g., door closing mechanism, seals).
- Functional testing.
- Verification that all warning, mandatory, and prohibitory signs on the battery cabinet are intact and clearly visible.

For mandatory inspections and further details, refer to Chapter 8, "Maintenance and Servicing".

1.1.2 Using original parts

Only use original parts provided or recommended by the manufacturer. Take note of all safety and usage information provided with these parts.

This concerns spare and wear parts.



Important!

Any unauthorized modification to this device without the written consent of the manufacturer, MINERALKA d.o.o., will invalidate the warranty.

1.1.3 Using the battery cabinet

The battery cabinet may only be operated by trained personnel who:

- Have read and understood the operating instructions.
- Have proven their ability to operate the equipment.
- Have been assigned to operate the equipment.

**Important!**

The operating instructions must be available next to the battery cabinet so that they are easily accessible to all users.

1.1.4 Warnings on the battery cabinet

The warning label must be attached to the battery cabinet and must be clearly legible. If required, a new warning label for the battery cabinet can be obtained from the manufacturer MINERALKA d.o.o.

Warning label 2024.29.10 attached by the manufacturer

Warning label 2024.29.10 attached by the manufacturer

	Cabinet for lithium batteries		
	60 minutes fire resistant by EN 1363-1		
	Explosion test Real Li-ion battery fire test		
	Checked and approved construction		
Keep door closed. Follow battery safety instructions. Read cabinet operating manual. The installation location should be in a well ventilated room.			
2024.29.10			

Mineralka d. o. o. | Cesta pod Slivnico 24 | 1380 Cerknica | Slovenia

Location: On the front side of the door under the opener

Symbols on the warning label:



Transport of Hazardous goods – Class 9A lithium batteries



Warning about flammable substances



Warning about electrical voltage



Warning about risks from batteries



Fire, naked flames and smoking prohibited



Do not leave the cabinet door open



Follow the operating instructions

1.2 Intended use

The battery cabinet is a safety cabinet tested for the storage, or storage and charging, of lithium batteries.

The battery cabinet is designed to be used at a fixed location within a building. It may only be used following annual valid inspection/testing.



Please note:

Testing must be carried out at the intervals specified in Chapter 8: Maintenance and servicing.

The intended use (primarily) concerns the following batteries:

- Lithium batteries in intact condition.
- Lithium batteries of low and medium power according to VdS 3103

1.2.1 Summary

Any other use is considered inappropriate. For safety reasons, it is not permitted to make modifications to the battery cabinet. The

intended use includes compliance with all the information in these operating instructions.

1.3 Inappropriate use



Important!

Inappropriate use also includes failure to comply with the directions in these operating instructions.

It also includes:

- Non-compliance with the provisions of national law that apply in each case.
- Storage of batteries/rechargeable batteries other than those specified under intended use.

2 SAFETY INSTRUCTIONS

2.1 Safety precautions

Inappropriate use or installation of this product may result in serious injury or death.

- Read and follow all warnings and precautions for safe use.
- Servicing, maintenance and inspections must be carried out by qualified personnel.

- Please ensure that the power supply is disconnected during maintenance and servicing.

2.2 Type plate

The type plate containing the essential product data is attached in a clearly visible position above the electrical extension socket on the back of the electronics cabinet. This type plate must not be removed.

2.3 Disclaimer

Any operation outside of the intended use is considered misuse. MINERALKA d.o.o. is not liable for any damage arising from such misuse.

MINERALKA d.o.o. has no control over the selection or use of lithium batteries by the user. It is the user's responsibility to ensure the battery cabinet is appropriate for its intended application. MINERALKA d.o.o. accepts no liability for any damage caused by lithium batteries and/or the charger.

2.4 Notes on storing and charging batteries

Follow the rules that apply to the handling of lithium-ion batteries. If possible, always ensure that charging and storage are done separately.



Important!

Store batteries as far apart as possible and do not stack them.



Important!

Never store damaged lithium-ion batteries inside buildings. Dispose them outside the building in containers provided for this purpose and approved for transport.

Only charge lithium batteries, using undamaged, original chargers from the battery manufacturer and follow the manufacturer's instructions. Use the original cover of the charging connection to prevent short circuit.

Do not connect any other multi-socket strips to the socket strip of the battery cabinet. The process of charging lithium-ion batteries generates heat. The technical ventilation is in operation when the doors are closed.

2.5 General safety instructions

Follow the safety guidelines provided in these operating instructions to minimize health risks and avoid hazardous situations.

Failure to use the device as outlined in these instructions may lead to accidents and insufficient fire protection.

The safety cabinet is designed for the storage and charging of lithium-ion batteries indoors.

To ensure safe operation, conduct a risk assessment that includes the following:

- Select an appropriate and practical location for cabinet installation.
- Only store prototype or damaged batteries after completing a thorough risk assessment.
- Lock the cabinet using the provided lock to prevent unauthorized access, and ensure the door always remains closed.

General provisions: 	• Keep the door closed. • Do not stack lithium batteries and keep them as far apart as possible. • Do not keep other flammable objects (devices, packaging, etc.) inside the cabinet. • Separate damaged batteries from the remaining stocks. • Take special care when handling untested lithium batteries (without a UN 38.3 test, for example prototypes).
Charging process: 	• Only use the manufacturer's original charger. • Do not charge lithium batteries that are damaged or have defects (visual inspection). • End the charging process when the lithium batteries are fully charged. • Stop charging immediately if you notice anything unusual.
In the event of a fire: 	• Do not open the cabinet doors (risk of explosion and fire spread). • Alert the relevant authorities (for example the fire service). • Move the cabinet outside, after you have verified that the removal is safe.



Please note!

Wear personal protective equipment.



When handling batteries, always wear protective equipment suitable for the work being carried out.
If in doubt, read the product safety sheet provided by the battery manufacturer.
Always wear the correct protective equipment during installation, use and maintenance:
Gloves, safety glasses, safety shoes and long work clothes.

2.6 Unforeseen events

See Chapter 7.2 "Troubleshooting" and Chapter 7.3 "Battery fire".

2.7 Legal provisions

According to the German Occupational Safety and Health Act (ArbSchG), a risk assessment must be carried out to assess or evaluate the risks associated with batteries or technical equipment and devices containing batteries.

Please adhere to the following provisions in particular:

- The relevant VDE provisions.
- The requirements of the fire authority.

- General building law and building requirements.
- VdS 3103:2019-06 Lithium batteries
- Publications by the Association of German Insurers (GDV e.V.) on damage prevention.



Important!

Transportable batteries are unique in that they are certified to UN 38.3 (transportation testing for lithium batteries).

2.8 Product and manufacturer identification

Name and address of the manufacturer:

MINERALKA d.o.o.
Cesta pod Slivnico 24
1380 Cerknica, Slovenia

Tel.: +386-1-709-0000

Fax: +386-1-709-0002

<https://xellbox.com/>

Info@si.tp-group.com

Product identification:

- XELLBOX C Battery storage and charging cabinet
- XELLBOX S Battery storage cabinet

3 TRANSPORT

For transportation and stacking, use appropriate handling equipment, such as trolleys, dollies, or pallet jacks, pallet trucks, forklift trucks etc. Ensure proper lifting techniques are employed to safely move the product.



Important!

Only use the cabinet and accessories in their proper working condition. In case of doubt or if there is obvious damage, rectify the fault or take the cabinet out of service.

3.1 Carrying (battery storage and charging cabinet)

- Use the handles when carrying the cabinet.
- Please be aware that the cabinet is heavy.

- There is a risk of crushing. Wear safety shoes when carrying the cabinet.
- For safety reasons, only carry the cabinet when empty.
- Make sure that there are sufficient number of people to carrying the cabinet.

4 INSTALLATION

4.1 Function of XELLBOX explosion hatch

XELLBOX explosion hatch is a spring-based mechanism in the left or right side of fire protective cabinet that effectively manages the explosion pressure of igniting gases inside the cabinet. This **NO-EXPLODING** technology ensures that the protective effect is maintained.

The flap ① for releasing the energy generated when the batteries burn is preset to the basic position - closed.

In this position, the springs ② are pre-tensioned, the explosive flap with gaskets ③ ensures smoke tightness. If the escaping gases explode, the explosion pressure presses against the hatch cover and compresses the springs to their mechanical limit ④.

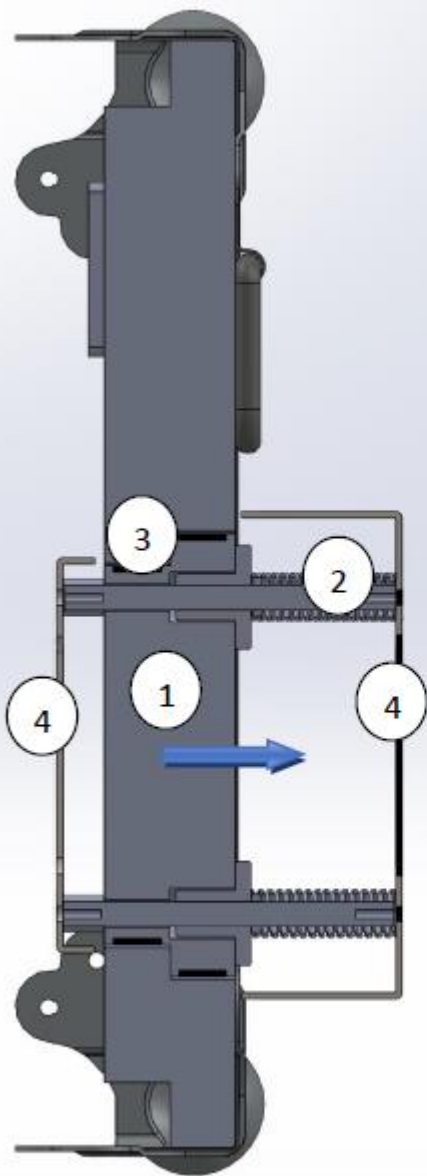
When pressure is applied, the hatch cover moves away and opens the slot, which allows safe release of pressure.



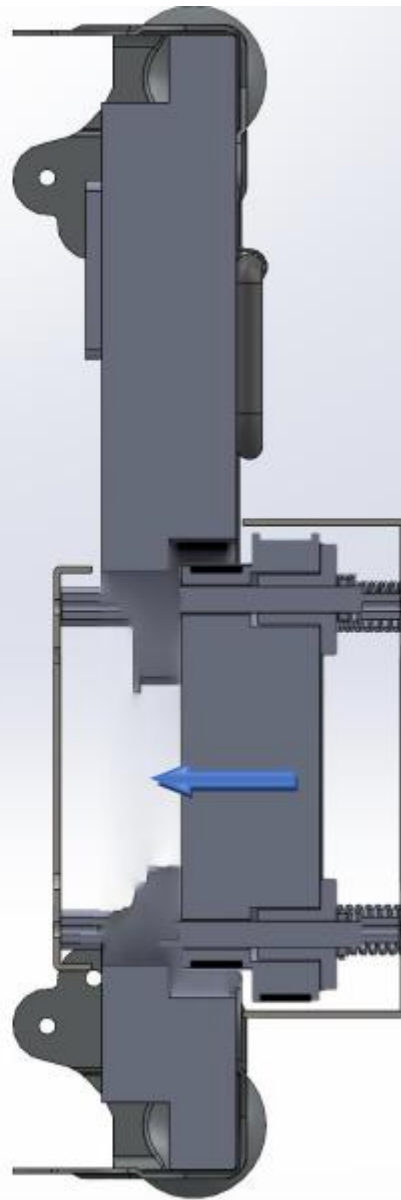
Important!

Flames may emerge through the door gap until the internal pressure within the battery cabinet is fully released

After the pressure has been released, the springs ② on the explosion hatch ① return to original position and ensure that the hatch is resting against the side wall hatch opening, seals ③ in a smoke-tight manner.



1-Normal position-closed position



2-Activated position-open position

4.2 Installation location



Important!

The cabinet may only be installed inside a building.



Important!

Flames may also escape from the gap between sides of the cabinet and explosion hatch until the pressure inside the battery cabinet has been released following an explosion.

- Do not install it near emergency escape routes.
- Do not install it in living areas.
- Select a ground-level installation location within the building that allows for rapid evacuation of the cabinet in the event of damage.
- The cabinet's evacuation route should be marked as a restricted area so that the cabinet can be moved outside quickly in the event of a fire.
- The installation location should be in a well-ventilated room. Be aware of the smoke and damage caused by contamination of the surrounding area in a fire.
- To ensure air circulation, do not place the rear side directly against a wall **(minimum distance approx. 100 mm)**.

- Do not install it in a recess.
- **Fire risk.** For safety reasons, the top of the cabinet should be kept clear.
- Do not place hazardous materials near the cabinet (for example spray cans, flammable liquids, etc.).
- Protect from frost and do not place close to sources of heat. Optimum operating temperature: approx. 21°C (room temperature).

4.3 Individual installation

The battery cabinet is intended to be installed directly on a stable, flat floor surface. Ensure the chosen installation area is level, secure, and capable of supporting the weight of the cabinet. Avoid stacking or placing the cabinet on any structure not specifically designed for this purpose.

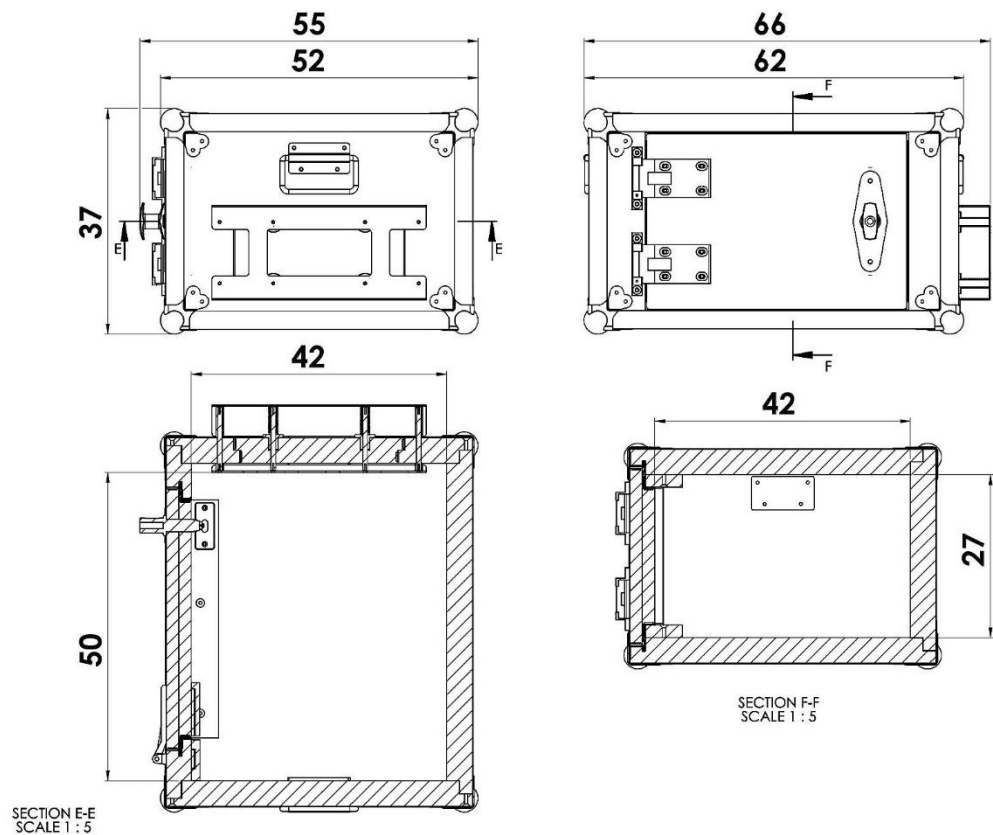
5 TECHNICAL DATA

5.1 Model overview

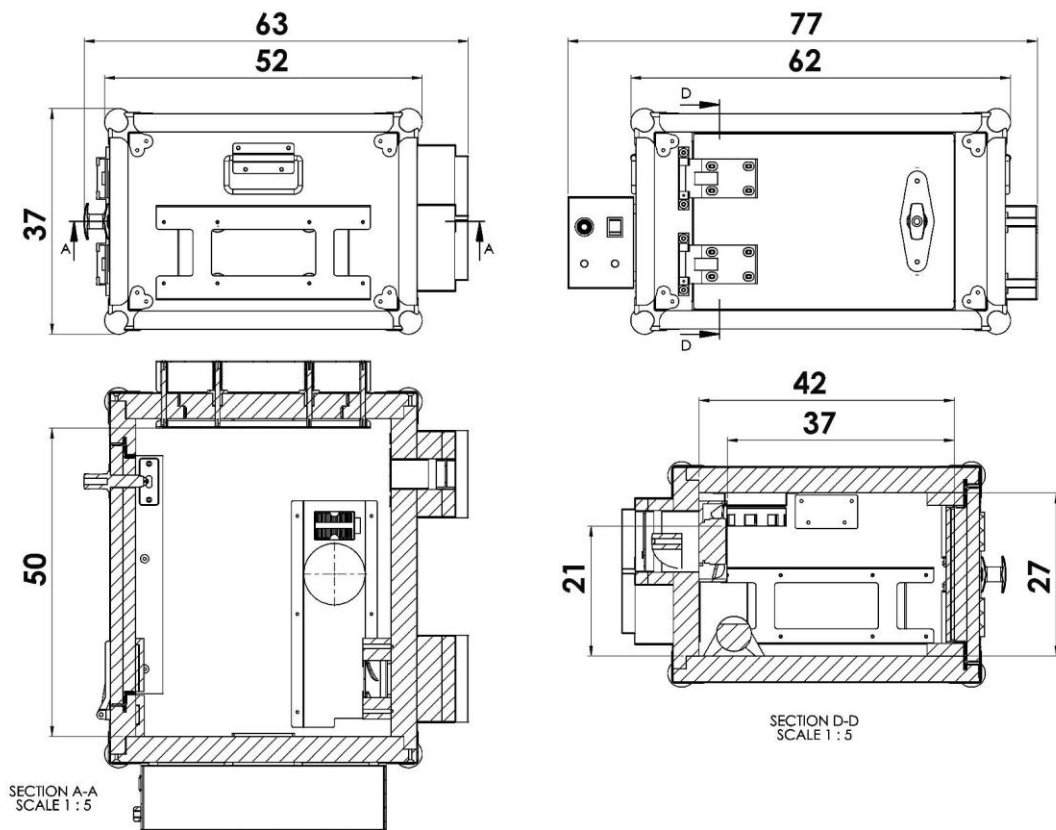
Model	Basic battery storage cabinet	Basic battery charging cabinet
Type	Xellbox 60 S	Xellbox 60 C
Max. Load (max. capacity of batteries)	36Ah (6 x 6Ah 18V)	36Ah (6 x 6Ah 18V)
Max. electrical capacity of the batteries	648Wh	648Wh
Nominal voltage	-	230V
Mains plug	-	1x 230V
Consumption	-	2,3kW/h
External dimensions (cm): (w x d x h)	66 x 55 x 37	77 x 63 x 37
Internal dimensions (cm): (w x d x h)	50 x 42 x 27	50 x 42 x 27
Weight when empty	~50 kg	~52 kg
Surface load per storage level (kg)	<u>Note:</u> This version does not support stacking and to avoid storing on top of the cabinet.	
Aeration and ventilation	No	Fan
Cold smoke tight closing system (cold smoke barrier and fire damper)	Cabinet doors	Cabinet doors Ventilation openings
Socket strip for power supply	No	Yes
Protective contact socket strip	No	Yes
Door contact switch	No	Yes
Power disconnection of the electrical connections	No	Main switch
Smoke detector	Wi-Fi, 1x smoke detector, battery supply	1x smoke detector, electrical supply
Smoke warning	Acoustic warning via beeper	
12 V connection option for accessories	No	
Potential-free output for connection to a fire alarm system on the inside of the cabinet	No	Yes
Indoor temperature display and remote alarm via SIM card, additional functions via remote access	No	
Frequency	-	~50/60 Hz
Fuse	-	10A
Total output of socket strip	-	2300W

5.2 Drawings of battery cabinets

5.2.1 Battery storage cabinet



5.2.2 Battery storage and charging cabinet



6 COMMISSIONING

6.1 Connection to power supply

(except storage cabinet)

To start up the system, connect it to the power supply using the power supply cable provided.

As soon as the doors are closed, the socket strip is activated via the door contact switch and the battery chargers' charging process begins (round green indicator lamp illuminated).



6.2 Electrical installation

6.2.1 Battery charging cabinet

The cabinet is delivered pre-wired and only needs to be connected to the building's power supply. Please ensure that the power socket is properly fused (16A fuse) and

earthed. Please also adhere to local rules on electrical installation.

Then turn on the main switch (green rectangular switch) on electric cabinet. When the switch is on, it is illuminated green.

6.2.2 Charging signals

- **Green signal light:** Indicates that the battery is charging.
- **Red signal light:** Warns that the door is not properly closed, and charging is not taking place.
- **Charging time:** Charging time for the batteries is between 1 and 4 hours, depending on the charger's capacity.
- **End of charging:** After the charging process is complete, turn off the main switch and open the Xellbox door.
- **End of process:** Once the door is open, the charging process is finished.

These instructions ensure safe and efficient charging of Li-Ion batteries.

6.2.3 Cooling during charging

If the temperature inside the battery charging cabinet rises above the preset temperature on the thermostat during the charging process, the fan will activate, ensuring air circulation and cooling the interior.

6.2.4 Equipment

Poz.1 - Smoke detector OptiSmoke ABUS RM1000 (tested according to EN 54 Fire detection and fire alarm)

Poz.2 - Control electrical cabinet

Poz.3 - Connection cable

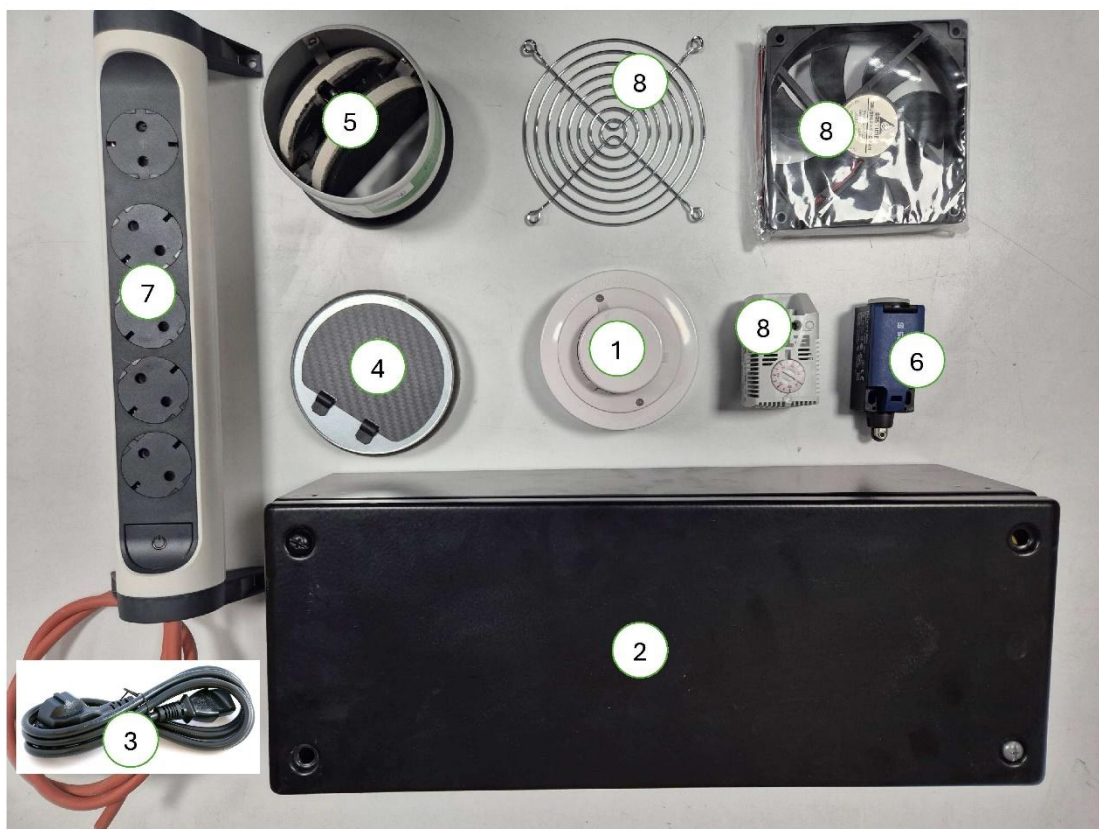
Poz.4 - Cold smoke shut-off damper with magnetic catch

Poz.5 - Fire dumper element

Poz.6 - Door contact switch

Poz.7 - Fused control multi-socket strip

Poz.8 - Fan control unit with thermostat



7 OPERATION

7.1 Normal use

7.1.1 Battery storage cabinet

Do not charge batteries in the storage cabinet. For more information, see chapter:

2.4 Notes on storing and charging batteries.

7.1.2 Battery storage and charging cabinet

During use with the doors closed, a fan provides continuous ventilation of the interior. Volume flow of the fan: approx. 4.1 m³/h. This corresponds to an air change rate of about 30 per hour.

Temperature-controlled fire protection shut-off elements and cold smoke barriers ensure that the openings are sealed in the event of a fire.

The charging process can only begin if the following conditions are met:

1. The fuse is intact.
2. The doors are closed.
3. The switch of the multi-socket strip is switched on.

7.2 Troubleshooting

If faults occur which cannot be remedied, please contact the **MINERALKA d.o.o.** (see Chapter: **2.8 Product and manufacturer identification**).

- Incorrectly closed doors are a safety risk.
- Faults must be rectified immediately.

7.3 Battery fire

In the event of a fire:

Keep calm, evacuate the building and notify the fire service immediately.

A flammable gas-air mixture may have formed inside the cabinet as result of the fire.

EXPLOSION:

The cabinet should only be opened by qualified personnel (the fire service) after a minimum of 24 hours have passed.



Important!

Do not open the cabinet if the cabinet surface is still warm. The cabinet should only be opened outside and by qualified personnel (for example the fire service).

Opening the doors of the cabinet too early within a building can cause the fire to spread and put lives at risk.

In the event of a fire, ensure that personal protective equipment (PPE) is worn.

Moving the cabinet out of the building:

In order to prevent further damage and to minimize risk, move the cabinet out of the building.

Burning lithium batteries may pose several risks:

- Fumes may be toxic.
- Leakage of liquids.
- Consequences: Serious injury or death.

Do not reuse the cabinet if it has been damaged because of a fire or the use of extinguishing agents.

8 MAINTENANCE AND SERVICING

8.1 General provisions

The cabinet must always be checked for externally visible faults or damage in the following cases:

- Prior to use.

- Following changes.
- After maintenance work.

If damage or faults are visible, the cabinet must be taken out of service until these faults have been rectified. The following maintenance work must be carried out at certain intervals:

Interval	Assembly	Action
As required	Doors	Oil the door lock and hinges as required, visual inspection of the locking mechanism.
Monthly	Cabinet	Clean and check for damage
Quarterly	Smoke detector	Check for functionality
	Explosion hatch	Check whether the guides of the explosion hatch are free and there are no foreign objects in the slots, press the hatch from the inside with force so that the hatch moves at least 1 cm outwards
Annually	Cabinet	Investigate (especially door and explosion hatch)
	Smoke detector	Check for functionality as described in the chapter: 8.4 Maintenance of the smoke detector

8.2 Annual safety inspection

The cabinet is a safety system (in accordance with Section 4, paragraph 3 of the German Workplaces Regulation, Section 10 of the German Industrial Safety Regulation and Rule No. 108-007 of the German Social Accident Insurance Association) and must therefore be checked at least once a year for safety and functionality. The outcomes and measures must be documented. The annual inspection can only be carried out by an authorized service technician. This ensures that the inspection will be carried out with all due diligence and guarantees your claim for warranty.

We will be happy to perform the annual inspection of your cabinet for you.

Send inquiries to:

MINERALKA D.O.O.

Cesta pod Slivnico 24

1380 Cerknica, Slovenia

Tel.: +386-1-709-0000,

Fax: +386-1-709-0002

<https://xellbox.com/>

Info@si.tp-group.com

8.3 Inspection sticker

The due date for the next annual inspection can be found on the inspection sticker on the type plate as described in the chapter: 2.2 Type plate.

8.4 Maintenance of the smoke detector

Storage and charging cabinet: The functional check on the smoke detector must be carried out at least once a year. Regularly test the detector per the device instructions to verify functionality. If any malfunction or alert occurs, consult a certified technician for professional maintenance. The smoke detector will emit an audible signal when this is required. Separate operating instructions are provided.

8.5 Cleaning

The cabinets can be cleaned using a soft dry cloth.

9 DISPOSAL

The storage and charging cabinets are designed to be easily dismantled into individual components for recycling.

The cabinet's core material, FIPRO boards classified in Euroclass as A1 by EN 13501,

are made from inorganic, eco-friendly mineral - vermiculite that are free from hazardous substances such as asbestos and heavy metals.

These boards are classified as non-hazardous construction and demolition waste, making them safe for disposal.

All plastic and non-degradable parts must be sorted and collected separately for recycling by an authorized waste disposal company. In compliance with the European WEEE Directive 2012/19/EU on Waste Electrical and Electronic Equipment, the symbol on the device and/or packaging indicates the need for responsible disposal.

When decommissioning the cabinet, follow proper disposal procedures:

- Metal parts should be taken to a scrap metal recycling facility.
- Batteries should not be discarded with household waste.

Batteries should be disposed of according to the manufacturer's instructions

Batteries can be recycled free of charge at appropriate collection points. As a consumer, you are legally obligated to return used batteries to help protect the environment.

By following these guidelines, you contribute to the responsible disposal of materials and the protection of the environment.



Important!

*Disposal following a battery fire:
Follow the rules specific to your
location*

10 WARRANTY

We guarantee that the battery cabinet will be produced free from defects in functionality or workmanship under our general terms and conditions of trade.

These can be viewed at <https://xellbox.com/>

The warranty is valid for 2 years from the date of purchase, or from the date the product is delivered to the customer.

The warranty is valid with the original proof of purchase (e.g. invoice).

The warranty applies only on the condition that the above operating and maintenance instructions and all applicable regulations are closely followed. Any modification to the battery cabinet by the customer without consultation with the manufacturer MINERALKA D.O.O. invalidates any claims under the statutory warranty.

Disclaimer:

- The company MINERALKA d.o.o. is not liable for damage caused by inappropriate use.
- MINERALKA d.o.o. has no influence over the lithium batteries employed by the user. The user must check that the cabinet is suitable for the intended application.
- MINERALKA d.o.o. is not liable for technical defects or damage to the lithium battery and/or the charger.
- MINERALKA d.o.o. is not liable for damage of any kind caused by lithium batteries.

The warranty does not cover defects resulting from:

- mechanical damage or overload,
- incorrect or negligent use,
- inadequate maintenance,
- too low or too high electrical voltage,
- use of non-original equipment,
- natural wear and tear (for example: wear and tear of components, switches, cables, seals, etc.),
- failure to follow the instructions for use (user manual),
- force majeure.

11 INSPECTIONS

The product was tested at the PAVUS, Czech Republic in accordance with DIN EN 1363-1 for a fire resistance of EI 60 minutes in case of fire from the inside to the outside.

A supplementary battery fire test with 6 x 6Ah 18V batteries served as a practical test for orientation in a real fire was successfully carried out by DMT/TÜV Nord for the product. An explosion test that involved causing a gas explosion was successfully carried out by DMT/TÜV Nord for the product

2024.1001.40/10.24/Si

MINERALKA d.o.o.
Cesta pod Slivnico 24
SI-1380 Cerknica
Company No.: 5854393
DDV ID: SI 23004606
T +386-1-709 00-00
F +386-1-709-00-02
info@si.tp-group.com

Declaration of conformity

EU declaration of conformity

MINERALKA d.o.o.
Cesta pod Slivnico 24
1380 Cerknica, Slovenia



hereby declares that the following product:

Declaration number: Xellbox2024-001
The manufacturer: MINERALKA d.o.o.
Cesta pod Slivnico 24, 1380 Cerknica, Slovenia
Declare that the product: Xellbox 60 C
Xellbox 60 S

Description:

The battery charging cabinet is designed for use with chargers supplied by the battery manufacturer.

Key features:

- Heat dissipation during charging is ensured by a fan.
- Power supply is provided via a multiple socket strip.
- Charging current is automatically interrupted when the doors are opened.
- In case of a fault or accident, charging stops immediately.
- Supply and exhaust air openings are closed by thermal elements when necessary.
- Integrated pressure relief technology ensures controlled pressure release in the event of an explosion.
- The cabinet complies with all relevant requirements of the applicable legal regulations, including their latest amendments in force at the time of this declaration.

Is conformal to the following directives and standards:

Machinery directive 2006/42/EC

EN 60204-1:2018 Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016, modified)

Battery directive 2006/66/EC

IEC 62133-2:2017 Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems

Construction products regulation (CPR) 305/2011/EU

EN 14604:2005 Smoke alarm devices

Radio equipment directive (RED)

EN 300 328 V2.2.0 (2017-11) Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum

EN 301 489-1 V2.2.3 (2019-11) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility

EN 301 489-17 V3.2.4:2020 ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 17: Specific conditions for Broadband Data Transmission Systems - Harmonised Standard for ElectroMagnetic Compatibility

EN IEC 61000-6-3:2021 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for equipment in residential environments

EN IEC 62368-1:2020 Audio/video, information and communication technology equipment - Part 1: Safety requirements

RoHS 2011/65/EU + (EC) 2015/863

EN IEC 62321-2:2022 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation

This declaration of conformity is issued under the exclusive responsibility of the manufacturer:

Name and address of legal entity authorised to compile the technical documentation:

MINERALKA d.o.o.
Cesta pod Slivnico 24,
1380 Cerknica,
Slovenia

Location: Cerknica

Date: 31/11/2024

(Signature)

Simon Marolt,
Managing Director | Chief Operating Officer (COO)

ZERTIFIKAT CERTIFICATE

Hiermit wird bescheinigt, dass die Firma / *This certifies that the company*

MINERALKA d.o.o.
Cesta pod Slivnico 24
Si-1380 Cerknica
Slovenia

berechtigt ist, das unten genannte Produkt mit dem abgebildeten Zeichen zu kennzeichnen
is authorized to provide the product mentioned below with the mark as illustrated

Fertigungsstätte
Manufacturing plant

MINERALKA d.o.o.
Cesta pod Slivnico 24
Si-1380 Cerknica
Slovenia

Beschreibung des Produktes
(Details s. Anlage 1)
Description of product
(Details see Annex 1)

Akku-Sicherheitsschränke/Ladeschränke

Geprüft nach
Tested in accordance with

TÜV NORD Prüfprogramm M 02/22 (P12FM 2022 002)

Registrier-Nr. / *Registered No.* 44 780 24114301
Prüfbericht Nr. / *Test Report No.* 3537 5374

Gültigkeit / *Validity*
von / *from* 2024-12-11
bis / *until* 2029-12-10


TÜV NORD CERT GmbH
Zertifizierungsstelle Konsumgüter

Essen, 2024-12-11

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.de

prodcert@tuev-nord.de

Bitte beachten Sie auch die umseitigen Hinweise
Please also pay attention to the information stated overleaf



ANLAGE ANNEX

Anlage 1, Seite 1 von 2
Annex 1, page 1 of 2

zum Zertifikat Registrier-Nr. / to Certificate Registration No. 44 780 24114301

Produktbeschreibung: Akku-Sicherheitsschränke/Ladeschränke
Product description:

Typbezeichnung: Xellbox
Type designation:

Bemessungsspannung: 230 V
Rated voltage:

Bemessungsstrom: 10 A
Rated current:

Bemessungsfrequenz: 50/60 Hz
Rated frequency:

Schutzklasse: I
Protection Class:

Schutzart: IP 20
Degree of protection:

Netzanschluss: Feste flexible Netzanschlussleitung
Main connection:

Abmessungen: Länge/Length: 64 cm
Dimensions: Breite/Width: 76 cm
Höhe/Height: 35,3 cm

Gewicht: 52 kg
Weight:



TÜV NORD CERT GmbH
Zertifizierungsstelle Konsumgüter

Essen, 2024-12-11

ANLAGE ANNEX

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zum Zertifikat Registrier-Nr. / to Certificate Registration No. 44 780 24114301

Maximale elektrische Kapazität der zu ladenden Akkus:
Maximum electrical capacity of the batteries to be charged:

Xellbox 648 Wh
Xellbox 648 Wh



TÜV NORD CERT GmbH
Zertifizierungsstelle Konsumgüter

Essen, 2024-12-11