



GRENA BOX version U01

INSTRUCTIONS FOR USE AND MAINTENANCE



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1. Introduction

Grenabox is a high-durability cabinet designed for safely storing batteries. It is made of non-flammable and fire-resistant materials and is equipped with a smoke detector featuring an audible alarm and WiFi connectivity for sending warning SMS notifications.

For ease of movement, the cabinet has four 360° swivel wheels, two of which are lockable for stability. It also features a wheelbase overpressure lock. Grenabox does not require ventilation or an electrical connection and is manufactured in compliance with EU directives and harmonized standards. It has been tested according to EN 1363-1 to EI 60 i→o, ensuring 60-minute fire resistance from inside to outside (tested without batteries).

2. Use

Before first use, carefully read this manual. Grenabox is designed for storing undamaged batteries only.

To prevent short circuits:

- Ensure a gap between stored batteries.
- Do not allow batteries to touch each other.
- Do not stack batteries in layers.
- Damaged batteries must not be stored.
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Warning label

Úložný box ze žáruvzdorného materiálu na uskladnění Li-Ion baterií.
Storage cabinet from fire resistant material for safety storing Li-Ion batteries.



Testováno proti požáru zevnitř - ven dle ČSN EN 1363-1
Fire-resistance tested from inside to outside according to DIN ČSN EN 1363-1



Nevkládejte poškozené baterie!
Do not store damaged batteries



Nemanipulujte s otevřeným ohněm v blízkosti skříně
Do not handle to open flame



Nenechávejte otevřená dvířka úložné skříně
Always close the storage box doors



Hořlavý obsah
Flammable content



Výbušný obsah
Explosive



Elektrické zařízení
Electrical equipment



Sledujte pokyny v příloženém návodu
Follow the instructions in the attached manual



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3. Technical informations

Version	-	Grenabox U01
Description	-	Two-door cabinet
Scope of delivery	-	Cabinet including internal equipment, assembled for immediate use
External dimension w x d x h	mm	800 x 550 x 550
External dimension (including wheels) w x d x h	mm	800 x 550 x 670
Internal dimension w x d x h	mm	705 x 460 x 460
Weight (when empty)	kg	75
Application	-	Battery storage (lithium-ion, polymer and other batteries)
Equipment	-	Cabin including interior equipment, assembled for immediate use. No need to connect to the electrical network.
Door design	-	Double-leaf
Door hinges	-	Hinges, metal, die-cast
Equipment	-	Cabinet with alarm and fire protection system with remote signaling module
Number of storage levels	-	2 + possibility of purchasing shelves
Shelf load capacity	kg	30
Total load capacity (incl. batteries)	kg	165
Shelf material	-	metal
Door opening angel	o	180
Closing	-	Wheelbase overpressure lock, non-lockable
Protection class	ČSN EN 1363-1	EI60 i→o (60 minute, inside out)
Fire detector	-	Smoke detector with WiFi connection, battery power
Smoke warning	-	Warning SMS, acoustic warning
Ventilation	-	No
Collection tray	-	No
External color	-	Dark grey
Color interior	-	Light wood decor
Color of metal elements including shelves	-	Black
Stacking	-	No

4. Instalation

Grenabox should be installed indoors on a flat, stable floor.

Follow these guidelines:

- Brake the castors to prevent movement.
- Only handle the cabinet when empty.
- Keep a clearance of 50-100 mm from the wall for air circulation.
- Operating temperature: 5-30°C.
- Avoid direct sunlight to prevent color fading.
- Do not place near flammable substances (sprays, oils, solvents, paints).

5. Maintenance and service

Regular maintenance ensures optimal performance and safety.

Interval	Controlled part of the Grenabox	Activity
1 month	Grenabox	Visual inspection of the cleanliness and integrity of the batteries
3 months	Surface inspection	Visual inspection of cleanliness, removal of dirt
3 months	Smoke detector	Functionality check
6 months or as needed	Visual inspection of the door, hinges, opening mechanism and spring	See point 6
6 months or as needed	Checking the wheels	Visually check for cleanliness, oil as needed
12 months	Metal construction	Visual inspection for cleanliness and integrity

5.1. Metal structure maintenance

- Clean metal surfaces with a soft cloth dampened in lukewarm water and mild detergent.
- For grease, use alcohol or a universal degreaser.
- Avoid abrasive cleaners, acids, or thinners.
- Minor surface damage can be retouched with matching paint.

5.2. Maintenance of boards coated with HPL or veneer

5.2.1. Maintenance of HPL boards

- Clean with a soft cloth, warm water, and neutral detergent.
- For heavy soiling, use a specialized laminate cleaner.
- Avoid abrasive cleaners, rough sponges, acids, or solvents.
- Keep hot objects away from the surface.

5.2.2. Maintenance of veneered and varnished boards

- Use specialized wood maintenance products.
- Avoid excessive water exposure.
- Repair mechanical damage with touch-up products.

5.3. Door and lock maintenance

The cabinet doors are equipped with robust all-metal hinges with a steel pin and a safety wheel lock.

- Lubricate hinges with silicone oil or grease every six months.
- Keep locks clean and lubricate with graphite powder or lock lubricant.

5.4. Wheel maintenance

The cabinet is fitted with swivel casters with a brake mechanism, the construction of which combines galvanized sheet metal, bearings and a rubberized wheel rim.

- Check and clean wheels regularly.
- Lubricate bearings with silicone or Teflon grease every six months.
- Avoid exceeding the cabinet's load capacity.







6. Storage and operating conditions, general recommendations

- Place the cabinet on a stable surface.
- Avoid extreme temperatures and high humidity.
- Prevent direct contact with water or aggressive chemicals.
- Regularly inspect all mechanical components.

7. Safety instructions in case of fire

- Evacuate immediately and notify emergency services.
- Move the Grenabox outside only if it is safe to do so.
- Never open Grenabox during a fire; only firefighters should do so.
- Fire-related gases can be toxic; use protective equipment.
- The cabinet cannot be reused after fire exposure.

8. List of warning symbols

	<p>The cabinet stores and charges electrical devices. The cabinet contains electrical components.</p>		<p>Do not leave the door open when storing or charging batteries. Always close the cabinet with the handle.</p>
	<p>There is a risk of fire if the batteries overheat. Take extra care when handling and storing.</p>		<p>Do not use open flames near the cabinet. Do not expose the cabinet to high temperatures.</p>
	<p>Explosion hazard. Li-ion batteries can explode if mishandled or in a fire.</p>		<p>Do not insert damaged batteries. Handle batteries according to the instructions included with the batteries/product.</p>