



ZARGES



NEU

[www.zarges.com](http://www.zarges.com)

# SAFE STORAGE AND TRANSPORT OF BATTERIES

Maximum fire protection with  
ZARGES battery safe boxes

# SIMPLY SAFE AND OPTIMALLY PROTECTED:

## ZARGES BATTERY SAFE BOXES

**Lithium-Ion batteries** are now an indispensable part of our everyday lives. However, their storage and transport require special precautions, as battery fires are particularly dangerous and difficult to extinguish. In addition to regulations and guidelines issued by professional associations, more and more insurance companies are demanding specific measures to minimise the risk of fire or accidents.

Prototypes, defective batteries or batteries intended for disposal and recycling are considered hazardous goods during transport and are subject to the strict rules of the ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road) and the IATA Dangerous Goods Regulations for air transport.

PLAY VIDEO



## ZARGES BATTERY SAFE BOXES – professional fire protection combined with simple handling

All ZARGES safety solutions are designed to be easy to use, flexible, durable and robust. Most importantly, they deliver their promise in case of an emergency.



### SAFETY-TESTED

Even after years of use, our battery safe boxes must reliably protect your premises and vehicles in the event of a battery fire. That's why we subject our battery safe boxes to extensive testing. Our products are tested in our internal ZARGES test department and by recognised external testing institutes, such as TÜV NORD and the Federal Institute for Materials Research and Testing (BAM).

They are subjected to real fire and explosion tests to prevent flames or splinters from escaping and reduce the risk of fire to a minimum.







"Our customers appreciate the reliability, protective function and the simple, intuitive handling of the certified transport box. They know ZARGES and, just like DENIOS, they associate the brand with quality and safety. This creates additional trust and makes the box an important addition to our range."

**Thomas Kluckhuhn, Product Category Manager DENIOS SE**

# OVERVIEW OF BATTERY SAFE BOXES

Whether for storage or transport of intact or defective batteries, find the optimal case to match your needs here

## BATTERY CASE UNIVERSAL

The premium model for transport and storage with maximum safety and performance.



## BATTERY CASE UNIVERSAL XL

The premium model in XL format for high total capacity (Wh) and large usable volume.



## BATTERY CASE

The spacious battery safety box for transporting and storing larger batteries, such as those used in bicycles.



## BATTERY CASE STORAGE

The TÜV-certified battery storage box for worry-free fire protection.



*EXPLANATION OF THE UN STANDARD AND TRANSPORT REGULATIONS	
UN 3480: lithium batteries	P 903 Intact series batteries
UN 3481: Lithium-ion batteries contained in or packed with equipment	P908: Damaged or critically defective batteries
UN 3090: Lithium-metal batteries	P909: Batteries for disposal and recycling
UN 3091: Lithium-metal batteries contained in or packed with equipment	P910: Battery prototypes
	P911: Critically defective batteries

Suitable for storage of lithium batteries

Suitable for hazardous goods transport of lithium batteries

Application

Key characteristic

Common features

State of battery

Intact series batteries

Critically defective batteries

Defective batteries

Prototypes

Batteries for disposal and recycling

Details

Certified with nominal value (Wh)

Usable dimension (mm)

External dimensions (mm)

Net empty weight (kg)

Number of comfort handles

Approved for carrying hazardous goods

UN standard\*

Transport regulations ADR\*



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BATTERY CASE UNIVERSAL	BATTERY CASE UNIVERSAL XL	BATTERY CASE	BATTERY CASE STORAGE
The variable premium model for transport and storage with maximum safety and performance	The premium model in XL format for professional transport and storage of larger high-performance batteries.	The spacious battery case for the transport and storage of larger batteries, such as bicycle batteries	The TÜV-certified battery storage box for assured fire protection
✓	✓	✓	✓
✓	✓	✓	For use by private individuals and skilled workers as per the tradesmen's regulation (ADR 1.1.3.1 c).
Hazardous goods transport and storage of particularly powerful power tool batteries in industry, trade and distribution. High battery capacity with compact external dimensions.	Transport and storage of hazardous goods, including large and particularly powerful batteries in industry, trade and distribution. Ideal when maximum capacity is required in a compact, robust format.	Transport and storage of hazardous goods, especially long e-bike batteries, for bicycle dealers and private households. Storage and transport of power tool batteries for industry, trade and private households.	Storage of power tool batteries for industry, trade and private households. Storage of bicycle batteries for bicycle dealers and private households.
Increased thermal protection thanks to additional heat shields.	High total capacity (Wh) and large usable volume for flexible battery placement.	3 spacious interior areas with divider panels. Flames do not spread to adjacent batteries.	Affordable storage box.
One-piece fire-resistant inner cushion; prevents handling errors and ensures maximum safety.			
Transportation and storage	Transportation and storage	Transportation and storage	Storage
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
1,384	3,500	814	814
390 × 190 × 100	515 x 285 x 215	3 compartments each 500 × 150 × 180	450 × 300 × 150
600 × 400 × 250	740 x 510 x 410	600 × 600 × 250	600 × 400 × 240
11,5	25,3	11,5	9,0
3	2	2	3
Yes	Yes	Yes	No
UN 3480, UN 3481, UN 3090, UN 3091	UN 3480, UN 3481, UN 3090, UN 3091	UN 3480, UN 3481, UN 3090, UN 3091	None
P 903 (ADR und IATA), P 908, P 909, P 910, P 911	P 903 (ADR und IATA), P 908, P 909, P 910, P 911	P 903 (ADR und IATA), P 908, P 909, P 910, P 911	



# BATTERY CASE STORAGE

The first TÜV-certified battery storage box on the market –  
for uncomplicated battery fire protection

Increasingly more batteries need to be stored in businesses and private households. And also in different rooms. Storage boxes must provide maximum battery fire protection as simply as possible. When used regularly, they are easy to use and flexible in handling.

For these reasons, we subject our battery storage box to extensive testing.  
**It is the only storage box to have received TÜV certification.**



TÜV certificate

Outside dimensions L x W x H	Useable space L x W x H	Number of handles	Material	Stacking corners	Weight kg	Order no.
600 x 400 x 240	400 x 250 x 100	3	Aluminium	No	9	40584





**10-YEAR  
WARRANTY**

## AREAS OF APPLICATION

Storage of power tool batteries for industry, trade and private households.

Storage of bicycle batteries at bicycle dealers and private households.



- **Best test results** in explosion and real fire tests according to TÜV NORD for ratings up to 814 Wh.
- No escape of flames or splinters.
- In the event of a fire, the temperature of the surfaces of the aluminium box remain below 200°C and **retain their shape**.
- **Maximum safety and avoidance of operating errors** thanks to fire-resistant, one-piece inner lining that securely encloses the batteries and prevents them from slipping.
- Comfort fasteners with plug locks.



Tested with 814 Wh by TÜV NORD CERT GmbH

Not approved for transport according to ADR/IATA. For use by private individuals and skilled workers as per the tradesmen's regulation (ADR 1.1.3.1 c).



"As a dealer specialising in hazardous goods applications, we have been successfully selling ZARGES battery cases for several years. In addition to the first-class cooperation, we and our customers particularly appreciate the quality, easy handling and, of course, the certified safety of the solutions. We are delighted that the Storage Box is now a certified addition to the Akku Safe family."

**Thomas Mahler, Managing Director, LionCare GmbH**





# BATTERY CASE

The spacious safe box ensures proper transport, even for critically damaged batteries.

Our largest insulated battery safe box is not only suitable for storage, but also for transporting larger batteries, such as bicycle or scooter batteries. All other batteries are of course also secure in this case.





## AREAS OF APPLICATION

Transport and storage, especially of longer bicycle batteries at bicycle dealers and in private households.

Transport and storage of power tool batteries for industry, trade and business as well as private households.



- For three longer e-bike batteries and powerful power tool batteries.
- **Versatile** and suitable for the transport and storage of lithium batteries, as well as damaged or (critically) defective batteries, prototypes, and batteries ready for disposal and recycling.
- Tested and approved in accordance with BAM UN **regulations as hazardous goods packaging** suitable for regulation-compliant public transport.
- **Safety-tested:** Real fire test for a nominal rating of 814 Wh completed.
- The temperature on the surfaces of the robust aluminium box remain below 100°C.
- **Three spacious compartments with divider panels.** Flames do not spread to adjacent batteries.
- The fire-resistant inner lining securely encloses the batteries – **operator errors are thus avoided.**
- **Practical and uncomplicated handling** thanks to comfort fasteners and low weight.

Exterior dimensions L × W × H	Usable dimensions L × W × H	Number of handles	Material	Stacking corners	Weight kg	Order no.
600 × 600 × 250	3 compartments each 500 × 150 × 180	2	Aluminium	Yes	11.5	40582

# BATTERY CASE UNIVERSAL

Our most robust battery safe box for the highest safety requirements when transporting critically defective batteries in accordance with regulations.









# BATTERY CASE UNIVERSAL

Our premium model for transporting the maximum battery capacity in a small space. The compact battery transport box is ideal for storing and transporting batteries at various stages in their life. It impresses in daily use with its uncomplicated and flexible handling.

- **Outstanding test results:** Real-life fire test passed for batteries with a nominal rating of 1,384 Wh.
- **The robust aluminium container offers even greater safety thanks to integrated heat shields:** External temperatures remain below 100° C. Penetration-proof, no escape of flames or splinters.
- Tested and approved in accordance with BAM UN **regulations as hazardous goods packaging** for regulation-compliant public transport.
- Versatile: for the **transport and storage** of lithium batteries, as well as damaged or (critically) defective batteries, prototypes and batteries for disposal and recycling.
- **Avoidance of operating errors:** The fire-resistant, one-piece Cirrux cushion securely encloses the batteries.
- **Practical and uncomplicated handling** thanks to comfort fasteners and low weight. Equipped with three sturdy handles, it can be carried both vertically and horizontally.



"ZARGES battery safe boxes offer a safe and reliable solution for the transport and storage of lithium-ion batteries. Thanks to its design, the provisions of the TRGS 520 amended in 2024 July for collection points can also be implemented without problems, which also improves fire protection. The ergonomic handles and robust aluminium construction guarantee easy handling and the well-known ZARGES durability."

Chris Börger, Senior Manager Occupational Safety, SICK AG







## AREAS OF APPLICATION

Transport and storage of particularly powerful lithium batteries in industry, trade and commerce.

High battery capacity with compact external dimensions.

Order no.	40583
Exterior dimensions L × W × H	600 × 400 × 250
Number of handles	3
Weight kg	11.5
Material	Aluminium
Usable dimensions L × W × H	390 × 190 × 100
Stacking corners	Yes



10-YEAR  
WARRANTY



# BATTERY CASE UNIVERSAL XL

NEW

The Battery case in XL format.  
Large usable volume for  
powerful batteries.









# BATTERY CASE UNIVERSAL XL

Our Battery Safe Universal XL is the premium model in extra-large format, designed for the storage and transport of particularly large and powerful lithium-ion batteries with high overall capacity.

- **Outstanding test results:** Real-life fire test passed for batteries with a nominal rating of 3,500 Wh.
- **Maximum safety:** combination of integrated heat shields, intumescent foil and Cirrux fire-resistant cushion inside a sturdy aluminium box.
- **Simple and intuitive handling:** operation, fireproof, one-piece interior. This prevents operating errors.
- **UN-approved hazardous goods packaging:** Tested and approved by BAM according to UN requirements for compliant public transport.
- **Thermal performance:** Maximum external temperature **below 100°C** impact-resistant, with no emission of flames or splinters in the event of failure.
- **Enhanced thermal protection thanks to** additional heat shields.
- **Filling and absorbent material:** non-combustible, non-conductive, and dust-free for clean and safe use.







## AREAS OF APPLICATION

Storage and transport of large quantities or particularly powerful lithium batteries in industry, trade and distribution.

High loading capacity.

Order no.	40581
Exterior dimensions L × B × H	740 x 510 x 410
Number of handles	2
Weight kg	25.3
Material	Aluminium
Usable dimensions L × W × H	515 x 285 x 215
Stacking corners	Yes



**10-YEAR  
WARRANTY**



# ZARGES HAZARDOUS GOODS PACKAGING

## The complete solutions for every requirement

ZARGES has many decades of experience with UN-approved containers made of aluminium. Regardless of what packaging-related needs you may have, ZARGES can offer you the perfect solution from a single source – from production of boxes, to their interior fittings, to an authorised test centre for fall tests and approvals through BAM.

### CUSTOMER + ZARGES

Consultation and packaging conception (internal and external packaging)

**YES**

**Is the product available?**

**NOT YET**

**Solution covered**  
by existing **approval**

Large selection of  
existing **UN approvals**

**Development of**  
a **special solution**

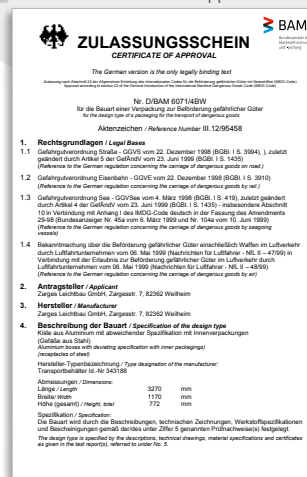
**Design, construction**  
and **testing**  
by **ZARGES**

**Further testing, e.g.**  
**fire tests where necessary**

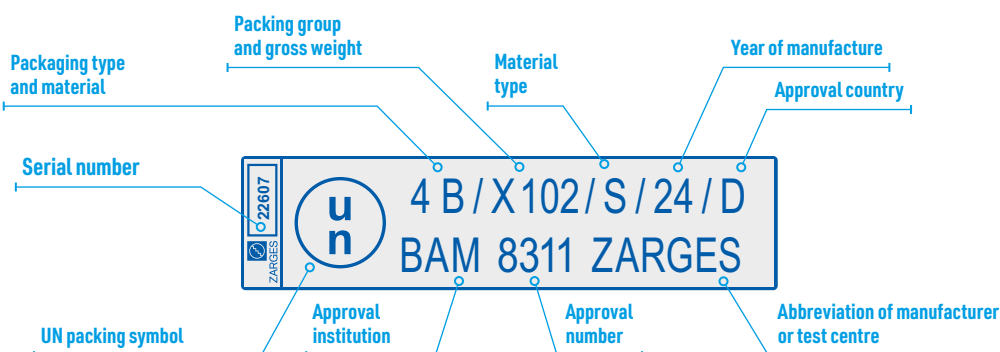
**Application**  
for **approval**



BAM certificate of approval



The ZARGES test and inspection centre is authorised to test hazardous goods packaging and to apply for type approvals.





# ZARGES PORTFOLIO FOR HAZARDOUS GOODS

## The perfect solution for everyone

Hazardous goods packaging tailored to your needs: ZARGES offers you a wide range of sizes and models to choose from.



Approval for hazardous goods transport available for all sizes



### K 470

- Approved for hazardous goods and items.
- Extra-thick 1.5 mm sheet metal for all boxes with base dimensions of 750 × 550 mm and above.
- Wide selection of accessories available.



### K 470 IP 65

- Enhanced protection against moisture, water jets and dust.
- Automatic pressure-compensation membrane.
- Leak-tightness certified by TÜV SÜD.



### K 424 XC Mobile Box

- Ergonomic use thanks to wheels and pull-out handle.
- Available in six sizes.
- Optional pneumatic rubber tyres for rough terrain or sandy ground.



### Y container

- Specially made for military applications.
- Containers of all sizes are stackable on each other.
- Sturdy cast aluminium stacking corners on the lid and base.



### K 473 heavy-duty case

- Particularly suitable for carrying heavy loads, e.g. heavy machinery or engines.
- Ergonomic handling.
- Extremely sturdy and durable.



### K 475 transport and storage containers

- Special containers impenetrable to water vapour.
- IP 67 protection class.
- Pressure compensation valve and humidity indicator.



### W 105 N cupboard trolley

- Sturdy construction.
- Ergonomic and smooth-running.
- Optional customised interior fittings.



### Collapsible cases

- Collapsible reusable packaging for space-saving returns.
- Easy to handle.
- Highly stable and equipped with side protection profiles.

For more information about ZARGES hazardous goods packaging, please visit our website at

[www.zarges.com/uk/applications/hazardous-goods](http://www.zarges.com/uk/applications/hazardous-goods)

GO TO ZARGES WEBSITE





## Packaging and transportation



## Access technology



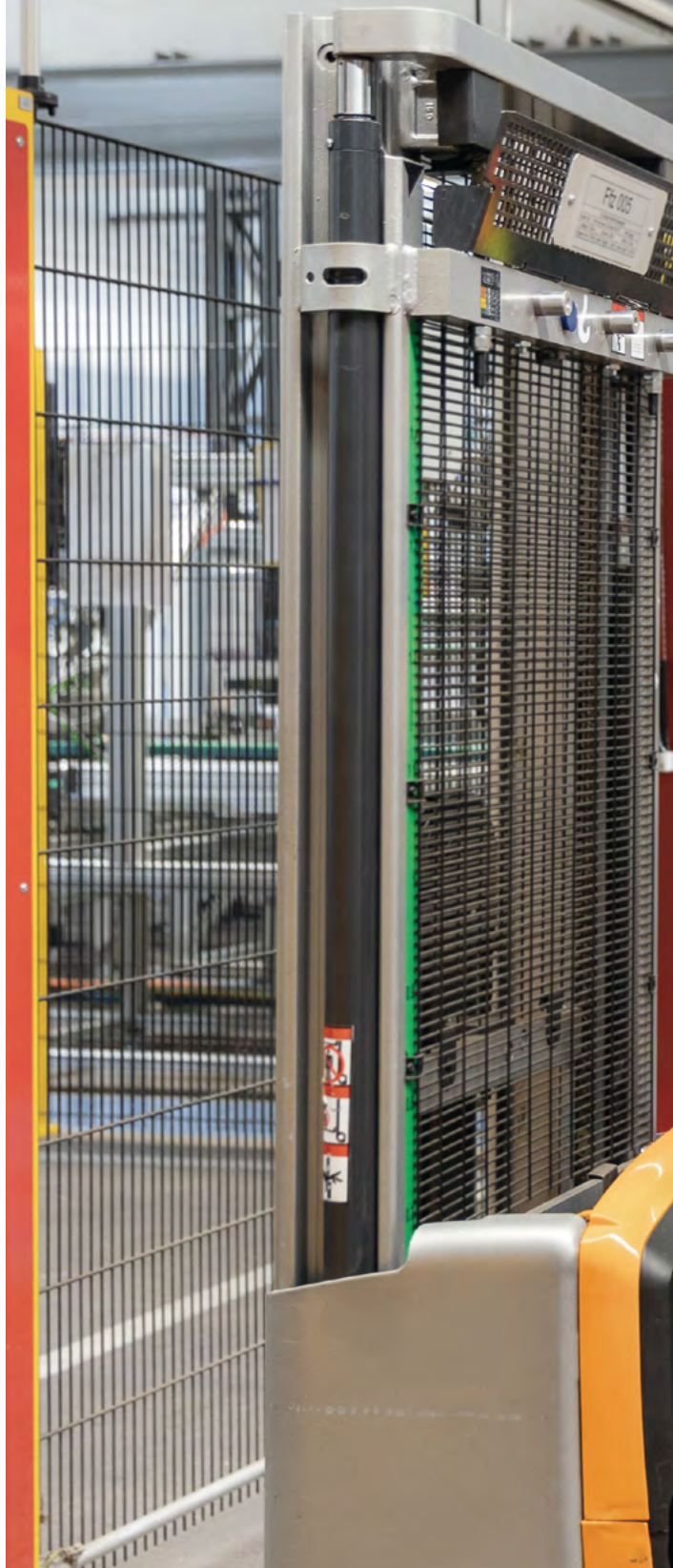
## Special solutions



## Medical



## Fall protection



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