



ZARGES



www.zarges.co.uk

BATTERY CASES

Maximum fire protection with ZARGES® Battery Cases



ZARGES

SIMPLE. SAFE. PROTECTED.

ZARGES BATTERY CASES

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

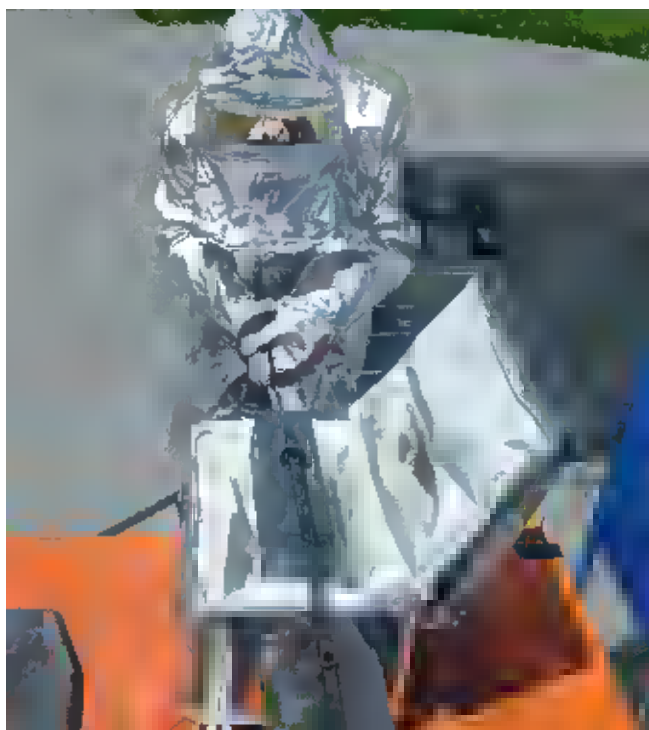
accidents. Prototypes, defective batteries or batteries intended for disposal and recycling are considered hazardous goods during transportation and are subject to the strict rules of the ADR and/or IATA.

PLAY VIDEO



ZARGES BATTERY CASES – 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 on 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 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.



**MADE IN
GERMANY**

STURDY ALUMINIUM BOX

Proven, durable ZARGES
quality – lightweight



FIRE-RESISTANT INTERIOR LINING

The fire-resistant material
moulds itself to the contour
of the batteries



INTERIOR CAN BE USED AS REQUIRED

Dimensions for each box are
optimised according to usage



ERGONOMIC FASTENERS

Easy and efficient
opening and closing



STURDY ERGONOMIC HANDLES

Robust, wide handles
for easy handling

BATTERY CASES

OVERVIEW

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

	BATTERY CASE	BATTERY CASE - UNIVERSAL	BATTERY CASE - STORAGE NEW
	The spacious battery case for the transport and storage of larger batteries, such as bicycle batteries	The variable premium model for transport and storage with maximum safety and performance	The TÜV-certified battery storage box for assured fire protection
Product code	40582	40583	40584
Suitable for storage of lithium batteries	✓	✓	✓
Suitable for hazardous goods transportation of lithium-ion batteries	✓	✓	For use by private individuals and skilled workers as per the tradesmen's regulation (ADR 1.1.3.1 c).
Application	Transportation and storage of lithium-ion batteries, for industrial, trade and distribution use. Designed especially for e-bike & e-scooter batteries.	Transportation and storage of lithium-ion batteries, for industrial, trade and distribution use. Highest battery capacity with compact external dimensions.	Storage of lithium-ion batteries, for industrial, trade and distribution use. Suitable for transportation by domestic users and professionals who don't need to meet regulatory requirements.
Key characteristic	Three separate compartments to prevent flames from spreading to adjacent batteries in case of a fire.	Additional heat shields provide increased thermal protection.	Safe storage solution.
Common features	A one-piece cushion; prevents handling errors and ensures maximum safety.		
Battery condition -			
Prototypes	✓	✓	✓
Intact series batteries	✓	✓	✓
Defective batteries	✓	✓	✓
Critically defective batteries	✓	✓	✓
Batteries for disposal and recycling	✓	✓	✓
Details -			
Certified with nominal value (Wh)	814	1,384	814
Usable internal dimensions (mm)	3 compartments each 500 × 150 × 180	390 × 190 × 100	450 × 300 × 150
External dimensions (mm)	600 × 600 × 250	600 × 400 × 250	600 × 400 × 240
Net empty weight (kg)	11.5	11.5	9.0
Number of comfort handles	2	3	3
Material	Aluminium with a one-piece fire-resistant cushion.	Aluminium with one-piece fire-resistant cushion.	Aluminium with one-piece fire-resistant cushion.
Safety Standards*	UN 3480, UN 3481, UN 3490, UN 3091	UN 3480, UN 3481, UN 3490, UN 3091	TÜV Certified - Storage only
Transport regulations ADR*	P903 (ADR und IATA), P908, P909, P910, P911	P903 (ADR und IATA), P908, P909, P910, P911	
*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 3490: 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	



BATTERY CASE

The ideal solution for transporting and storing lithium-ion batteries.



AREAS OF APPLICATION:

Transportation and storage of lithium-ion batteries, for industrial, trade and distribution use.

Designed especially for e-bike & e-scooter batteries.



- **Versatile** and suitable for the transportation and storage of lithium-ion batteries, as well as damaged or critically defective batteries, prototypes, and batteries ready for disposal and recycling.
- Tested and approved in accordance with **UN regulations** for the transportation of hazardous goods.
- **Safety-tested:** Fire tested to a rating of 814 Wh. The temperature on the surfaces of the robust aluminium box remain below 100°C.
- **Three separate compartments** to prevent flames from spreading to adjacent batteries in case of a fire.
- **Fire-resistant**, one-piece cushion securely encloses the batteries.

Interior dimensions L × W × H	Exterior dimensions L × W × H	Usable dimensions L × W × H	Number of handles	Material	Stacking corners	Weight kg	Product code
550 × 550 × 220	600 × 600 × 250	3 compartments each 500 × 150 × 180	2	Aluminium	Yes	11.5	40582

BATTERY CASE - UNIVERSAL



Our most robust battery case for the highest safety requirements when transporting lithium-ion batteries in accordance with UN regulations.



BATTERY CASE - UNIVERSAL

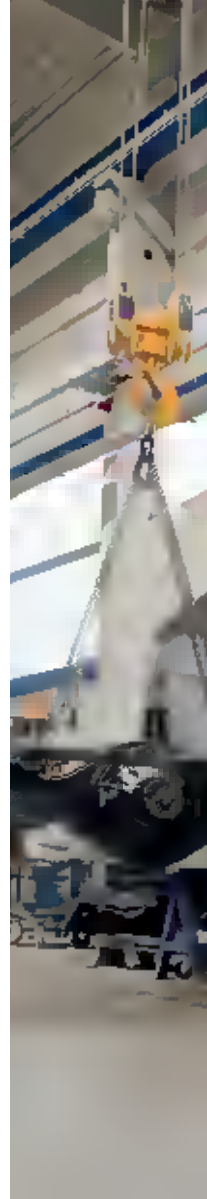
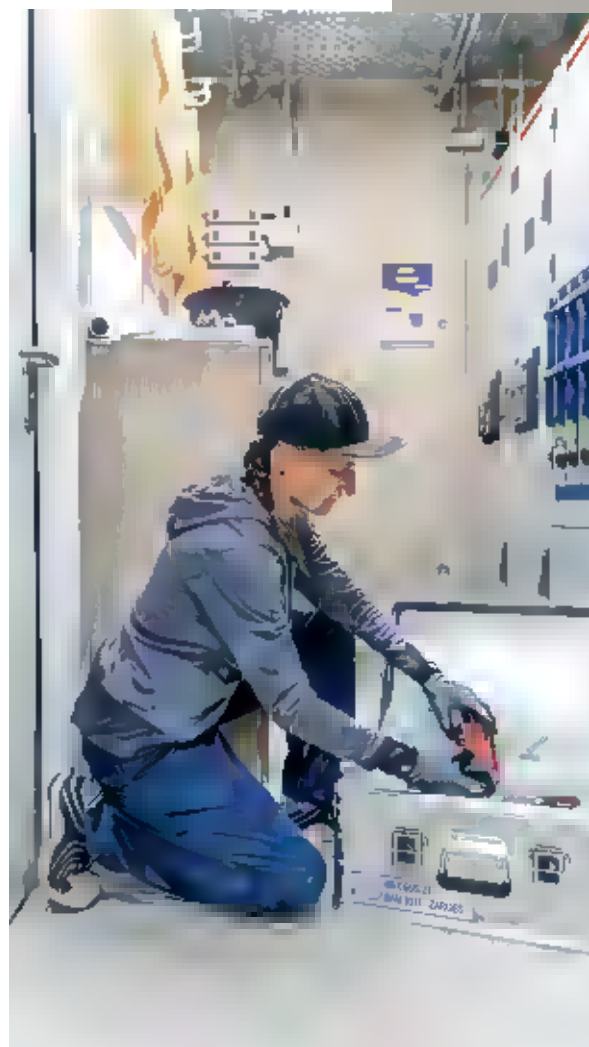
Our premium model for transporting the maximum battery capacity in a small space. The compact battery transportation case is ideal for storing and transporting lithium-ion batteries at various stages in their life cycle.

- **Outstanding test results:** Fire test passed for batteries to a rating of 1,384 Wh.
- The robust aluminium box offers even greater safety thanks to **additional integrated heat shields**: External temperatures remain below 100° C. Penetration-proof, no escape of flames or splinters.
- Tested and approved in accordance with **UN regulations** for the transportation of hazardous goods..
- Versatile design for the **transportation and storage** of lithium-ion batteries, as well as damaged or critically defective batteries, prototypes and batteries for disposal and recycling.
- **Fire-resistant**, one-piece cushion securely encloses the batteries.



"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:

Transportation and storage of lithium-ion batteries, for industrial, trade and distribution use.

Highest battery capacity with compact external dimensions.

Product code	40583
Exterior dimensions L × W × H	600 × 400 × 250
Number of handles	3
Weight kg	11.5
Interior dimensions L × W × H	550 × 350 × 220
Material	Aluminium
Usable dimensions L × W × H	390 × 190 × 100
Stacking corners	Yes



**10-YEAR
WARRANTY**

BATTERY CASE - STORAGE

NEW

Compact. Secure. Fire-Resistant. Battery Storage You Can Trust

Increasingly, lithium-ion batteries need to be stored across multiple industries and residential households. Storage boxes must provide maximum battery fire protection as simply as possible.

As a result, we put our battery storage case through rigorous testing.

The ZARGES Battery Storage Case is the only storage box to have received TÜV certification.



TÜV certificate

Internal dimensions L x W x H	Outside dimensions L x W x H	Useable space L x W x H	Number of handles	Material	Stacking corners	Weight kg	Product code
550 x 350 x 220	600 x 400 x 240	450 x 300 x 150	3	Aluminium	No	9	40584





**10-YEAR
WARRANTY**

AREAS OF APPLICATION:

Storage of lithium-ion batteries for industrial use, trade use and residential households.

- Achieved **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 prevention of operating errors** with a fire-resistant, one-piece cushion that securely encloses the batteries and prevents them from slipping.
- **Compact design** for easy storage.
- **Lockable** for added security.



Not approved for transportation 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 Battery Case family."

Thomas Mahler, Managing Director, LionCare GmbH

ZARGES HAZARDOUS GOODS PACKAGING

Complete solutions for every requirement.

CUSTOMER + ZARGES

Consultation and packaging design

YES

Is there a standard case solution available?

NOT YET

Solution covered by existing approval

Large selection of existing **UN** approvals

Development of a special solution

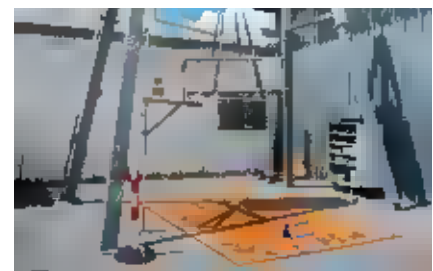
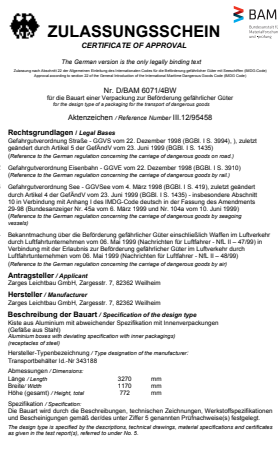
Design, construction and testing by ZARGES

Further testing, e.g. fire tests where necessary

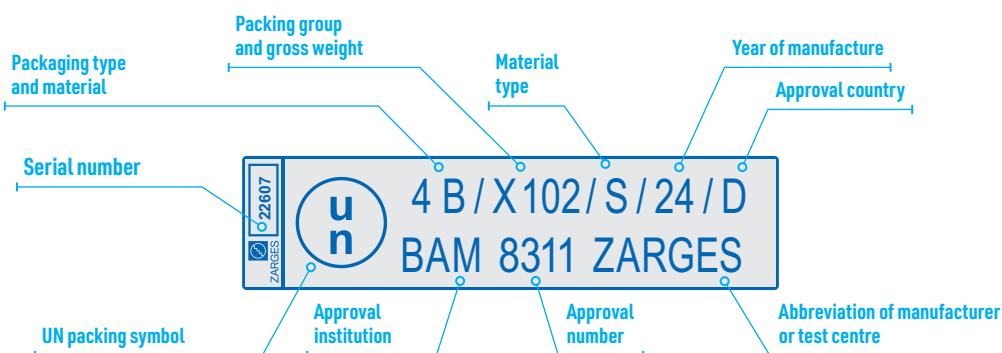
Application for approval



BAM certificate of approval



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



ZARGES CASES PORTFOLIO

A perfect solution for everyone

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



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.



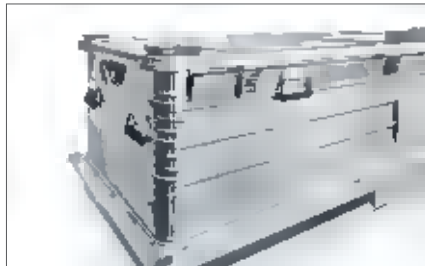
K 424 XC Mobile Box

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



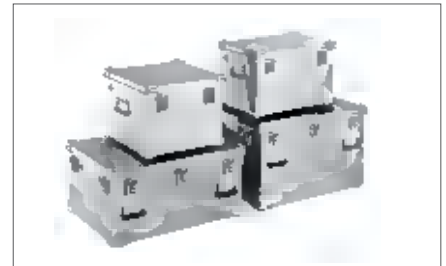
Y container

- 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.



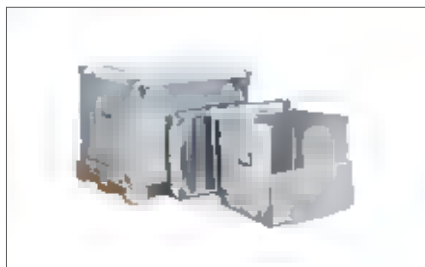
K 475 transport and storage containers

- 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

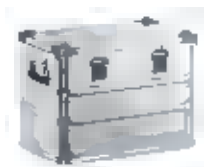
- Collapsible reusable packaging for space-saving returns.
- Easy to handle.
- Highly stable and equipped with side protection profiles.

For more information about ZARGES cases, please visit our website at

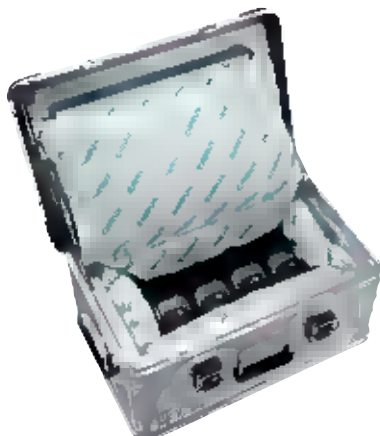
www.zarges.com/uk/products/packaging-transportation/boxes

GO TO ZARGES WEBSITE

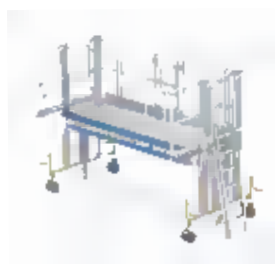




Packaging and transportation



Access technology



Special solutions

www.zarges.co.uk

Blackwater Trading Estate, The Causeway, Maldon, Essex CM9 4LJ
Tel: +44 1908 641118 • Email: sales@zarges.co.uk

We reserve the right to make technical modifications without notice. All measurements and weights are approximate values.
Reproduction of this document, in its entirety or in part, is only permissible with the approval of ZARGES.