



ZARGES



www.zarges.com/en/solutions/lithium-batteries/

Minimise risk!
Transport and store lithium batteries safely.

Optimal protection. ZARGES safety solutions for lithium batteries.

Regardless of whether it is in cars, bicycles, renewable energy storage systems, power tools or electric garden appliances – lithium batteries are used more and more frequently. The problem: lithium batteries are considered hazardous goods and therefore subject to strict legal requirements regarding hazardous goods transport. The solution: ZARGES provides you with professional advice and a packaging solution that is tailored to your needs.



UN numbers (excerpt)

- UN 3480** Lithium-ion batteries
- UN 3481** Lithium-ion batteries contained in or packed with equipment
- UN 3490** Lithium-metal batteries
- UN 3491** Lithium-metal batteries contained in or packed with equipment

You can view our range of practical accessories online at www.zarges.com/en/products/packaging-transportation/accessories

INNOVATION:
Also suitable for
batteries at risk of fire!

NEW



K 470 – universal battery box

- Hazardous goods packaging certified for lithium-ion batteries UN 3480, UN 3481.
- Suitable for transporting prototypes (ADR P 910), damaged or defective batteries (ADR SP 376, P 908), critically defective batteries (ADR SP 376, P 911), and batteries due for disposal and recycling (ADR P 909).
- Also passed fire tests involving critically defective batteries with nominal capacity of over 1,000 Wh.
- Maximum outside temperature below 100°C, no flames or splinters escaping in the event of an accident.
- High dielectric strength, i.e. also suitable for high-performance batteries, such as those used in power tools.
- Padding and absorbent material are non-flammable, non-conductive and dust-free.
- Interior can be used as required.
- Also ideal for storing lithium batteries.



Inside dimensions L × W × H mm	Outside dimensions L × W × H mm	Volume l	Weight kg	max. gross weight with approval for the transportation of hazardous goods kg	Order no.
550 × 350 × 220	600 × 400 × 250	42	11.5	65.0	40583

K 470 – battery box



- Tested and approved as hazardous goods packaging in accordance with UN requirements, i. e. can be transported on public roads.
- For the safe storage and transport of defective or damaged lithium batteries in accordance with ADR SP 376 and P 908.
- Also permitted to carry critically defective lithium batteries in accordance with ADR P 911. Flames do not spread from a battery to adjacent batteries.
- Dust-free interior with fireproof padding and absorbent material made of textured fibreglass.

Inside dimensions L × W × H mm	Outside dimensions L × W × H mm	Volume l	Weight kg	max. gross weight with approval for the transportation of hazardous goods kg	Order no.
550 × 550 × 220	600 × 600 × 250	67	11.5	65.0	40582

ZARGES hazardous goods packaging. Complete solutions for every need.

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

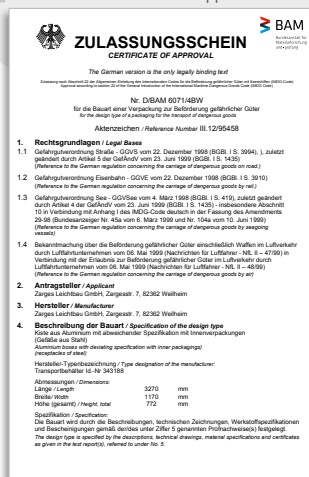
Design, construction and testing by ZARGES

Further testing, e.g. fire tests where necessary

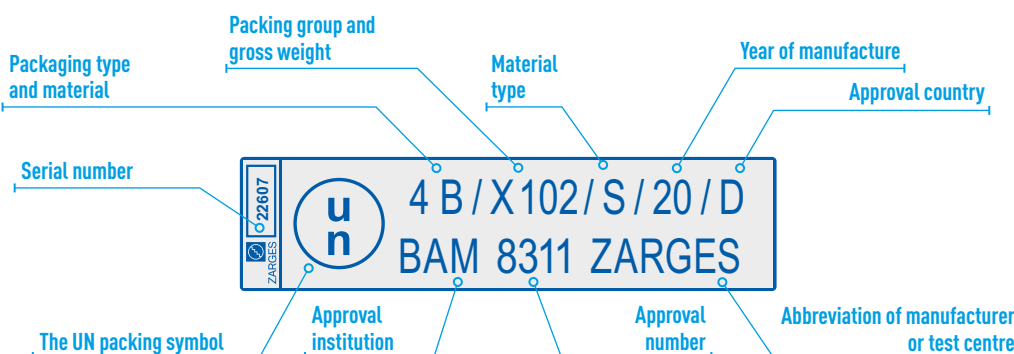
Application for approval



BAM certificate of approval



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



ZARGES products for hazardous goods.

The perfect solution for you.



Approval for hazardous goods transport available for all sizes

Hazardous goods packaging 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 x 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 410 alu case

- For protection against dust and splash water during transport.
- Sturdy and easy to handle.
- For a wide range of applications.



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.
- Customised interior fittings available as an option.



Collapsible cases

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



ZARGES –
Access.
Packaging,
transportation.
Special solutions.

For more than 85 years, the brand name ZARGES has been synonymous with premium quality and continuous innovation. As an innovation leader, we are constantly improving our range and creating solutions and products that are consistently tailored to your needs. And good ideas always come from closely working together with you, the customer.

Our aim is to always provide you, the professional, with the right solution for any requirement. For your safety and efficiency.

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