

What is a battery housing?

The battery housing is the central safety component that must meet the highest standards in terms of sealing, electrical conductivity, mechanical strength, and much more. It essentially consists of a battery lid / cap and a battery can - including the critical interface between these two components.

How to develop a battery cell housing?

There are no standard solutions for the development and production of battery cell housings. Therefore, it is crucial to have a flexible partner with the expertise and competence to cover the entire process, from development to production.

What are the requirements for battery cell housings?

Battery cell housings must meet a wide range of demanding requirements - including the highest standards for sealing, electrical conductivity, mechanical stability, and safety. At the same time, they must be produced flexibly and in large quantities to meet the increasing market demands.

What are battery housings & intrusion protection plates?

Battery housings and intrusion protection plates safeguard the battery cells, ensure structural integrity, provide sealing, protect against fire, and offer electromagnetic shielding. Plastic-based composite materials make optimal use of space, offer lightweight potential, and combine corrosion resistance with good thermal insulation.

Our battery housings offer robust protection for traction batteries in all-electric and hybrid vehicles and ensure long-lasting, reliable functionality. The Purem by Eberspächer concept is based on steel and ...

voestalpine is a leading technology and capital goods group with combined material and processing expertise, holding global top positions in its business units. The Group focuses on product and ...

Easy maintenance and replacement - The detachable vertical mobile design allows for quick replacement of batteries, minimizing downtime and maintenance work. Simplified transportation and ...

Made from precision-engineered aluminium plates, our battery housings are designed to meet the stringent requirements of electric vehicles (EVs), ensuring safety, efficiency, and durability.

The rotomoulded plastic battery housings of Rotovia are the ideal solution. This unique technology enables us to design and manufacture custom battery housings, specifically tailored to your use case.

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Pre-competitive Project Objectives Exploit steel's strength, ductility, and cost benefits to develop a sustainable and cost-effective design concept for a battery enclosure structure that is ...

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Magna has achieved a significant breakthrough by developing a stamping process that creates a battery enclosure with near-rectangular corners and sidewalls, eliminating failure modes and increasing ...

Find your battery enclosure easily amongst the 62 products from the leading brands (LMREA, SIAP+MICROS, OKW, ...) on DirectIndustry, the industry specialist for your professional purchases.

This prevents localized corrosion and ensures the highest level of structural integrity over the battery housing's lifespan. With our advanced surface finishing solutions, steel battery housings offer ...

Battery Housing / Component Protection from Metal - ElroForm(TM) E Weight and cost reduction Reduced assembly effort Functions can be integrated, reduced component scope Optimized NVH properties ...

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