

EU lithium battery pack

Are lithium batteries covered by the general product safety regulation?

The General Product Safety Regulation covers safety aspects of a product, including lithium batteries, which are not covered by other regulations. Although there are harmonised standards under the regulation, we could not find any that specifically relate to batteries.

Are lithium batteries safe?

Lithium batteries are subject to various regulations and directives in the European Union that concern safety, substances, documentation, labelling, and testing. These requirements are primarily found under the Batteries Regulation, but additional regulations, directives, and standards are also relevant to lithium batteries.

What types of batteries are covered by the batteries regulation?

The Batteries Regulation covers all types of batteries, including lithium batteries. Here are some of the main areas covered by the regulation: Here are some standards relevant to lithium batteries that are harmonised under the regulation. This standard applies to stationary secondary batteries, including lithium-ion batteries.

What are the requirements for the transport of lithium batteries?

The requirements include: The Inland Transport of Dangerous Goods Directive requires that the transportation of lithium batteries and other dangerous goods must be done according to the requirements of the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

Which segment dominates the European electric vehicle battery pack market?

The passenger car segment dominates the European electric vehicle battery pack market, commanding approximately 92% market share in 2024. This substantial market position is driven by increasing consumer adoption of electric vehicles across major European markets, including Germany, France, and the UK.

What is a battery pack used for?

The basic unit of an electric vehicle's battery pack, typically a lithium-ion cell, that stores electrical energy. A subsection of an EV battery pack, consisting of several cells grouped together, often used to facilitate manufacturing and maintenance.

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