

Technical regulations for maintenance of new energy batteries

What is the new EU Battery regulation?

Home » Legislation, Rules and Regulations » EU Battery Regulation The new EU Battery Regulation entered into force on 17 August 2023 and brings with it increasingly strict targets on recycling.

What is the new EU Battery regulation 2023/1542?

The new EU Battery Regulation 2023/1542 entered into force on 17 August 2023 and covers the whole lifecycle of batteries from production to reuse and recycling. While the Battery Regulation is already in force, further legal documents will be published in the coming years specifying certain aspects of the implementation (see timeline below).

What are the requirements for a rechargeable industrial battery?

Performance and Durability Requirements (Article 10) Article 10 of the regulation mandates that from 18 August 2024, rechargeable industrial batteries with a capacity exceeding 2 kWh, LMT batteries, and EV batteries must be accompanied by detailed technical documentation.

What are battery safety requirements?

These include performance and durability requirements for industrial batteries, electric vehicle (EV) batteries, and light means of transport (LMT) batteries; safety standards for stationary battery energy storage systems (SBESS); and information requirements on SOH and expected lifetime.

What are the new labelling requirements for batteries?

Labelling requirements will apply from 2026 and the QR code from 2027. The regulation amends Directive 2008/98/EC on waste management (see summary) and Regulation (EU) 2019/1020 on market surveillance and compliance of products (see summary). It repeals Directive 2006/66/EC on the disposal of spent batteries (see summary) from 30 June 2027.

What is a battery safety regulation?

The regulation includes performance, durability and safety criteria which cover restrictions on hazardous substances like mercury, cadmium and lead, and mandatory information on the carbon footprint of batteries.

A new chapter on supervision and management has been added, primarily based on the Interim Measures for the Administration of the Announcement of Industry ...

Règlement Technique Energie Alternative / Alternative Energy Technical Regulations FIA Sport Département Technique / Technical Department 2/23 CMSA / WMSC 19.06.2020 Publié le / ...

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affecting us all, low-carbon technology has a bigger and bigger role to play in the ...

Two new draft standards for battery energy storage system (BESS) testing and safety were published for comment in China last year. Exponent can assist clients in ...

In March 2019, Premier Li Keqiang clearly stated in Report on the Work of the Government that "We will work to speed up the growth of emerging industries and foster ...

Using used batteries for residential energy storage can effectively reduce carbon emissions and promote a rational energy layout compared to new batteries [47, 48]. Used ...

Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation ...

It sets out rules covering the entire life cycle of batteries. These include: waste collection targets for producers of portable batteries - 63% by the end of 2027 and 73% by the end of 2030; ...

The Battery Passport will become mandatory for LMT batteries, industrial batteries exceeding 2 kWh, and EV batteries placed on the market from 18 February 2027. The ...

The newly approved Regulation (EU) 2023/1542 concerning batteries and waste batteries [1] sets minimum requirements for a.o. performance, durability and safety of ...

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