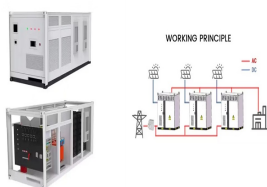
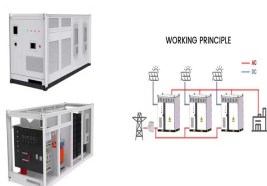


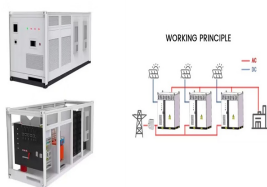
EUROPEAN ENERGY STORAGE BATTERY PACK TEMPERATURE COLLECTION REGULATIONS



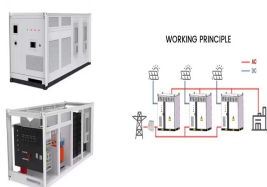
What is the EU Battery regulation? The EU Battery Regulation encompasses a comprehensive set of rules and requirements established by the European Union (EU). On July 28, 2023, the EU Commission published the new EU Battery Regulation (2023/1542) concerning batteries and waste batteries, which replaced the EU Batteries Directive (2006/66/EC) and took effect on August 17, 2023.



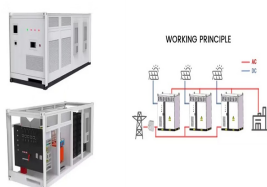
What is the EU Battery regulation 2023/1542? The EU Battery Regulation (2023/1542), enforces stricter sustainability requirements, extended producer responsibility (EPR), and collection and recycling targets. This regulation applies to all battery types, including portable, industrial, light means of transport (LMT), electric vehicle (EV), and starting, lighting, and ignition (SLI) batteries.



Who is responsible for ensuring battery compliance in the EU? These rules are applicable to all batteries entering the EU market, independently of their origin. For batteries manufactured outside the EU, it will be the importer or distributor of the batteries into the EU that needs to ensure compliance of the batteries with the relevant requirements set out in the Regulation. via notified bodies.



Can batteries be recycled in the EU? While the EU scores high in relation to the recycling of portable and lead-acid automotive batteries, much remains to be done as regards lithium-ion batteries used in electric cars, energy storage systems and industrial activities. Only 10% of lithium contained in batteries is recycled.



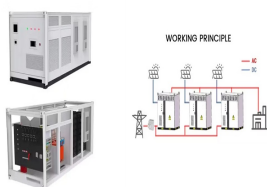
When was the Batteries Directive first introduced? Since 2006, batteries and waste batteries have been regulated at EU level under the Batteries Directive. The Commission proposed to revise this Directive in December 2020 due to new socioeconomic conditions, technological

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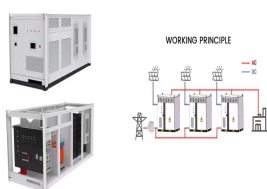


developments, markets, and battery uses. Demand for batteries is increasing rapidly.

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What are the minimum recycled content requirements for industrial batteries? The Regulation mandates minimum recycled content requirements for industrial batteries with a capacity greater than 2 kWh, excluding those with exclusively external storage, EV batteries, and SLI batteries. The minimum percentage shares of the recycled content are as follows:



In July 2023, a new EU battery regulation (Regulation 2023/1542) was approved by the EU. The aim of the regulation is to create a harmonized legislation for the sustainability and safety of batteries. The regulation started ???



The European Green Deal, a set of policy initiatives approved in 2020, aims for a sustainable and competitive economy with net-zero greenhouse gas emissions by 2050. Along with the legislation driving this transition, such ???



The European Parliament and the Council adopted on July 12th, 2023 the new Regulation (EU) 2023/1542 concerning batteries and waste batteries, amending Directive 2008/98/EC and Regulation (EU) 2019/1020 and repealing Directive ???



These JRC reports are part of a more comprehensive JRC set of reports supporting the implementation of the new Batteries Regulation, addressing performance and durability requirements of batteries, removability ???

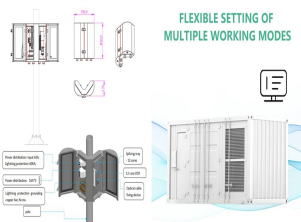
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The previous regulation AIS-048 could test at the cell, module, and battery pack levels; however, no environmental test item was included. The new regulations AIS-038 Rev 2/AIS-156 are equivalent to EU standards and ???



The European Union (EU) published the EU New Battery Regulation (EU) 2023/1542 on July 28, 2023, in the Official Journal of the European Union. The regulation came into effect just a few weeks later on ???



Since 2006, batteries and waste batteries have been regulated at EU level under the Batteries Directive. The Commission proposed to revise this Directive in December 2020 due to new socioeconomic conditions, ???

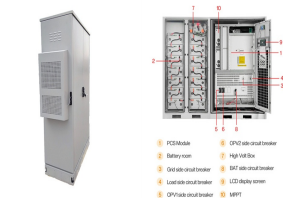


In July 2023, a new EU battery regulation (Regulation 2023/1542) was approved by the EU. The aim of the regulation is to create a harmonized legislation for the sustainability and safety of ???



The most important facts in brief. The Battery Regulation applies to all categories of batteries, regardless of cell chemistry. Whether electric vehicle (EV) batteries, batteries in light means of transport (LMT), industrial batteries ???

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Stronger policy signals and early planning can accelerate the growth of batteries across the EU, bringing forward the economic, security and climate benefits of the energy transition. The Strategic agenda for the new EU ???



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 passport must include details about the battery model ???