

In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond.

Lithium-ion batteries dominate both EV and storage applications, and chemistries can be adapted to mineral availability and price, demonstrated by the market share for lithium iron phosphate (LFP) ...

High-energy lithium-ion systems, quasi-solid-state configurations and sodium-ion batteries were among the main strategies pursued in 2025 to achieve that goal.

One of the most exciting developments is the rise of solid-state lithium batteries. Unlike conventional lithium-ion batteries that rely on liquid electrolytes, these new batteries use solid electrolytes, offering ...

Volta's annual report now stretches to 750 pages, diving deep into many technical areas, along with the usual focus on battery energy storage systems (BESS).

Future trends focus on sustainable materials and decarbonization efforts. Lithium-ion batteries are pivotal in modern energy storage, driving advancements in consumer electronics, ...

This report defines and evaluates cost and performance parameters of six battery energy storage technologies (BESS) (lithium-ion batteries, lead-acid batteries, redox flow batteries, sodium ...

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration systems. The projections are ...

Lithium-ion batteries will continue to dominate short-duration storage. Flow batteries, thermal storage, and gravity systems could carve out niches in long-duration applications.

The global lithium-ion battery market is expected to grow from USD 194.66 billion in 2025 to USD 426.37 billion by 2033, registering a CAGR of 10.3%. This growth is fueled by the increasing adoption of ...

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