

Future of batteries 2023



Overview

The 2023 edition, available to download on this page, again consists of six chapters, on materials, production, performance, usage and second use, and one offering an overarching market view. Below we look at some of the key highlights and implications. Automotive lithium-ion (Li-ion) battery demand increased by about 65% to 550 GWh in 2022, from about 330 GWh in 2021, primarily as a result of growth in electric passenger car sales, with new registrations increasing by 55% in 2022 relative to 2021.

Future of batteries 2023



The Future of Energy Storage: Five Key Insights on Battery Innovation

Developments in batteries and other energy storage technology have accelerated to a seemingly head-spinning pace recently -- even for the scientists, investors, and business leaders at ...

[Get Price](#)

Advancing energy storage: The future trajectory of lithium-ion battery

This review explores the current state, challenges, and future trajectory of lithium-ion battery technology, emphasizing its role in addressing global energy demands and advancing ...



[Get Price](#)



Trends in batteries - Global EV Outlook 2023 - Analysis

Global sales of BEV and PHEV cars are outpacing sales of hybrid electric vehicles (HEVs), and as BEV and PHEV battery sizes are larger, battery demand further increases as a result.

[Get Price](#)

A Roadmap for Solid-State

Batteries

On the basis of an analysis of all materials and concept options, a roadmap for solid-state batteries is presented, relying on both literature survey and experts' opinions.

[Get Price](#)



Cost Projections for Utility-Scale Battery Storage: 2023 Update

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 developed from an ...

[Get Price](#)

Battery Monitor 2023: An assessment of the current and future battery

According to the "Battery Monitor 2023" published by Roland Berger and the PEM Chair at RWTH Aachen University, the global battery market is expected to grow by an average of 34% per ...

[Get Price](#)



What's next for batteries in 2023 , MIT Technology Review

In the midst of the soaring demand for EVs and renewable power and an

explosion in battery development, one thing is certain: batteries will play a key role in the transition to renewable

[Get Price](#)



Battery Monitor 2023 , Roland Berger

Batteries are a cornerstone of the green transition. Without them, there would be no electric vehicles, ships or aircraft, and few storage options for renewable energies. As a result, the ...

[Get Price](#)



A non-academic perspective on the future of lithium-based batteries

Here we present a non-academic view on applied research in lithium-based batteries to sharpen the focus and help bridge the gap between academic and industrial research. We focus our ...

[Get Price](#)



The future of electric vehicles & battery chemistry , McKinsey

By 2023, LFP was once again the dominant chemistry in China. Now that L (M)FP batteries can enable longer driving ranges that meet most customers'

expectations, some OEMs are ...

[Get Price](#)



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://k3gizycko.pl>

