

Summary of energy storage industry outlook report





Overview

The report highlights the role of energy storage solutions in supporting renewable energy integration and grid stability. Key trends include grid energy storage, long-duration energy storage, and lithium batteries. This report was last updated in July 2024.

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There is significant demand for high-capacity energy storage solutions to complement grid energy. With the potential to accelerate the energy transition, this energy storage market outlook explores key market data as well as areas of innovation and their implications for energy stakeholders.

The Energy Storage Market size is estimated at USD 295 billion in 2025, and is expected to reach USD 465 billion by 2030, at a CAGR of 9.53% during the forecast period (2025-2030). This scale-up rests on falling battery pack prices, policy incentives that reward standalone storage, and a rising.

The global energy storage systems market was estimated at USD 668.7 billion in 2024 and is expected to reach USD 5.12 trillion by 2034, growing at a CAGR of 21.7% from 2025 to 2034, driven by the increasing integration of renewable energy sources, advancements in battery technology, and the rising.

The report provides a current market overview of the global energy storage industry, including recent trends, drivers, challenges, and outlook in major countries across Europe and the Americas. The structure of the report begins with a summary of the industry's dynamics, including regional.

The global power mix has reached a critical point, and Rystad Energy expects a peak in fossil fuels in the power sector to be imminent, with a structural shift ahead of the industry. While power demand is expected to continue to see strong growth in 2025 and beyond, the growth rate of low-carbon.



'The Global Market Outlook Update (MOU)' provides a ten-year energy storage market outlook update from 2024 to 2034. It covers the key market trends, global competitions, policy updates, and projected energy storage capacity outlooks for 43 countries worldwide. This research will help clients.



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[The Turning Tide of Energy Storage: A Global ...](#)

This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply chain disruptions, the energy storage industry ...

[Global Energy Storage Market Outlook](#)

Energy storage capacity additions will have another record year in 2023 as policy and market fundamentals continue to propel the industry Data compiled March 2023. Source: S& P Global ...



[Global energy storage market outlook update: Q3 ...](#)

Our Global market outlook update (MOU) provides a ten-year market outlook update for 2023 to 2033. It covers the key market trends, global ...

Middle East and North Africa

Executive Summary The Middle East and North Africa (MENA) region is one where the energy sector plays an outsized role. Around half of the economies are net energy exporters, ...



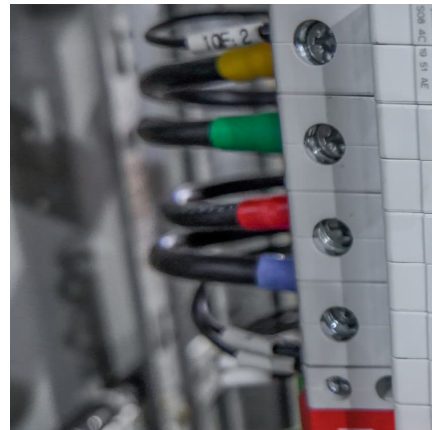
Global Energy Storage Market

The report provides a current market overview of the global energy storage industry, including recent trends, drivers, challenges, and outlook in major countries across Europe and the ...



New Energy Outlook 2025

Understanding this report For this edition of BNEF's New Energy Outlook, we have focused our efforts on updating the base-case Economic Transition Scenario (ETS), incorporating new ...



Summary of Legislation and Regulations Included in the ...

The version of the National Energy Modeling System (NEMS) used for the U.S. Energy Information Administration's (EIA) Annual Energy Outlook 2022 (AEO2022) generally ...





[World Energy Outlook 2024 - Analysis](#)

About this report The IEA's flagship World Energy Outlook, published every year, is the most authoritative global source of energy analysis and projections. It identifies and explores the ...



Global energy storage market outlook update: Q2 2024 Report

Our Global Market Outlook Update (MOU) provides a ten-year market outlook update for 2023 to 2033. It covers the key market trends, global competitions, policy updates ...

REPORT: Energy Storage Market Continues Strong Growth in Q1 ...

The utility-scale segment is expected to grow 22% YoY in 2025. As the market evolves, continued innovation, supportive policies, and strategic planning will be crucial to ...



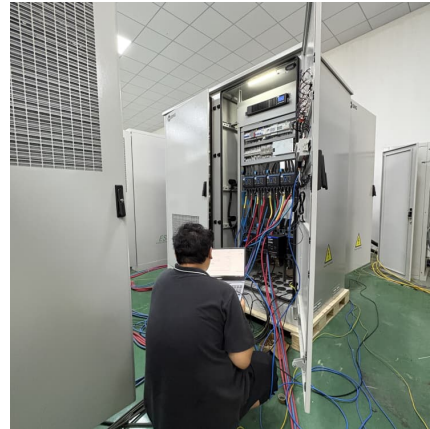
Global energy storage market: review and outlook-Industry ...

The global energy storage market added 175.4 GWh of installed capacity in 2024, with the three major regional markets--China, the Americas, and Europe--continuing to ...



[Energy Storage Systems Market Size, 2025-2034 Forecast](#)

The energy storage systems market size exceeded USD 668.7 billion in 2024 and is expected to grow at a CAGR of 21.7% from 2025 to 2034, driven by the rising demand for grid stabilization ...

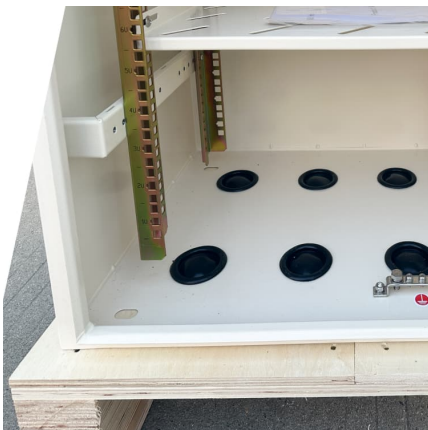


Viet Nam Energy Outlook Report

Acknowledgements The Viet Nam Energy Outlook Report, Pathways to Net-Zero is a publication prepared by the Electricity and Renewable Energy Authority in Viet Nam (EREA) under the ...

U.S. Energy Storage Monitor , ACP

The report provides industry professionals with actionable and intelligent insights to better inform business decisions. The new US Energy Storage Monitor , Q2 2025 was ...



[US Energy Storage Monitor , Wood Mackenzie](#)

The executive summary is free, and provides a bird's eye view of the U.S. energy storage market and the trends shaping it. In contrast, the full report features ...



Global Energy Storage Market (2025-2031) , Outlook, Analysis

Key trends include the rising adoption of lithium-ion batteries for stationary storage applications, the development of advanced energy storage technologies such as flow batteries and ...

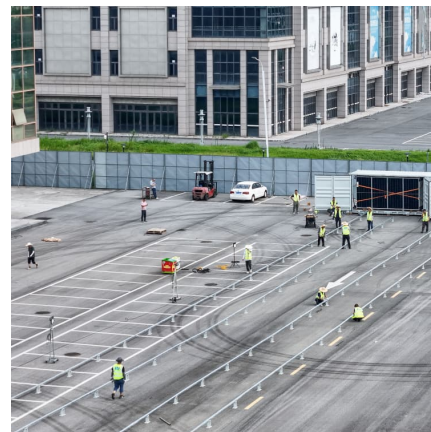


[2025 Renewable Energy Industry Outlook, Deloitte ...](#)

Deloitte's Renewable Energy Industry Outlook draws on insights from our 2024 power and utilities survey, along with analysis of industrial policy, tech capital, ...

US energy storage monitor: Q1 2025 and 2024 Year in Review

The US Energy Storage Monitor explores the breadth of the US energy storage market across the utility-scale, residential, and non-residential segments. This quarter's ...



Energy Storage Market Size, Growth, Share & Industry Trends

The report also covers the size and forecasts of the energy storage market across major regions. For each segment, market sizing and forecasts have been done based ...



[Energy Storage Systems Market Size, 2025-2034](#)

...

The energy storage systems market size exceeded USD 668.7 billion in 2024 and is expected to grow at a CAGR of 21.7% from 2025 to 2034, driven by the ...



THE TURNING TIDE OF ENERGY STORAGE

Global Opportunity and Regulatory Roadmap for Energy Storage in 2024 This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply ...

Annual Energy Outlook

Introduction The Annual Energy Outlook 2025 (AEO2025) explores potential long-term energy trends in the United States. AEO2025 is published in accordance with Section 205c of the ...



Energy Storage Market Executive Summary: Key Insights and ...

Access the summary of the Energy Storage market report, featuring key insights, executive summary, market size, CAGR, growth rate, and future outlook.



Presentation

Transition in power mix puts energy storage on spotlight The global power mix has reached a critical point, and Rystad Energy expects a peak in fossil fuels in the power sector to be ...



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