

New policy report on energy storage industry application



Overview

Liquid fuels Natural gas Coal Nuclear Renewables (incl. hydroelectric) Source: EIA, Statista, KPMG analysis Depending on how energy is stored, storage technologies can be broadly divided into the following t.

What is the implementation plan for the development of new energy storage?

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.

What is a storage policy?

All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal. Regulatory changes can broaden competitive access to storage such as by updating resource planning requirements or permitting storage through rate proceedings.

What are the different types of energy storage policy?

Approximately 16 states have adopted some form of energy storage policy, which broadly fall into the following categories: procurement targets, regulatory adaption, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.

How can research and development support energy storage technologies?

Research and development funding can also lead to advanced and cost-effective energy storage technologies. They must ensure that storage technologies operate efficiently, retaining and releasing energy as efficiently as possible while minimizing losses.

What is the 14th five-year plan for energy storage?

The “14th Five-Year Plan” has specified development goals for energy storage

also on the provincial level. During the “14th FYP” period, 25 provinces and cities plan to complete 77.65 GW new type storage installation. That scale is more than twice the “14th FYP” target (30 GW) set by the NEA.

Why are energy storage technologies important?

They are also strategically important for international competition. KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council (‘CEC’) released the New Energy Storage Technologies Empower Energy Transition report at the 2023 China International Energy Storage Conference.

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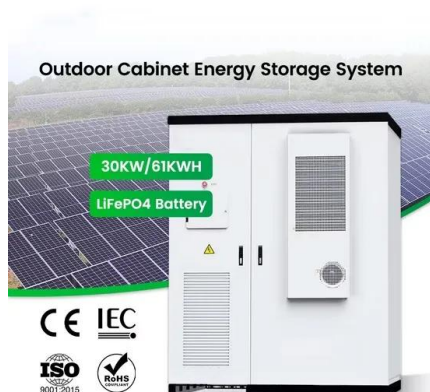
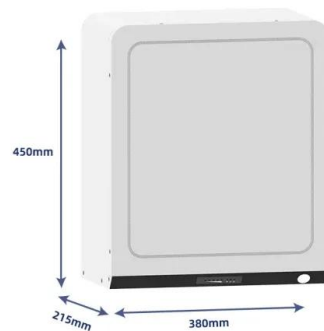


China issues action plan to promote manufacturing of new-type energy

On Feb. 10, 2025, China's Ministry of Industry and Information Technology and other seven central government departments jointly announced an action plan for sound development of ...

Energy Storage System

Energy Storage System Roadmap for India
2019-32 Energy Storage System (ESS) is fast emerging as an essential part of the evolving clean energy systems of the 21st century.
Energy ...



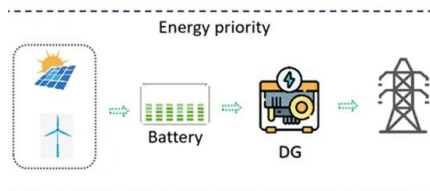
Energy Storage Market Report 2025 , StartUs Insights

Further, the energy storage industry report explores high-impact subfields such as virtual power plants (VPPs), flow batteries, and hydrogen storage by offering insights into ...

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, ...



[Energy Storage Industry Report](#)

Discover the rapid growth and key trends in the multi-billion-dollar energy storage industry, projected to reach \$134B by 2031, driven by renewable energy ...

[The Energy Storage Report 2024](#)

The Energy Storage Report is now available to download. In it, you'll find the best of our content from Energy-Storage.news Premium and PV Tech Power, as well as new ...



Energy Storage Safety Strategic Plan

The Department of Energy Office of Electricity Delivery and Energy Reliability Energy Storage Program would like to acknowledge the external advisory board that contributed to the topic ...

Energy Storage Strategy and Roadmap , Department of Energy

This SRM does not address new policy actions, nor does it specify budgets and resources for future activities. This Energy Storage SRM responds to the Energy Storage Strategic Plan ...



Energy Storage Industry Trends Report

Explore the forefront of energy storage technologies with a comprehensive report on the trends anticipated to shape the landscape by 2025. This trend report ...



Recent advancement in energy storage technologies and their

...

As a result of a comprehensive analysis, this report identifies gaps and proposes strategies to address them. Researchers, industry experts, and policymakers will benefit from ...



Battery Storage in the United States: An Update on Market

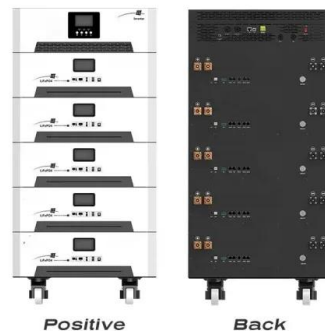
...

Energy storage plays a pivotal role in enabling power grids to function with more flexibility and resilience. In this report, we provide data on trends in battery storage capacity ...



Energy Storage Strategy and Roadmap , Department ...

This SRM does not address new policy actions, nor does it specify budgets and resources for future activities. This Energy Storage SRM responds to the ...

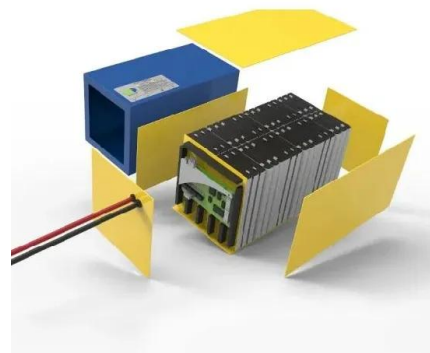


China new energy storage report 2025

In 2025, the global electrochemical energy storage new installed capacity scale is close to 80GW, corresponding to about 300GWh new installed demand, China, the United States and Europe ...

2025-Data-Center-Energy-Storage-Industry-Insights-Report

Data Center Energy Storage Industry Insights Report data center industry continues to evolve, energy storage remains a critical focus, shaped by shifting priorities, ...





A critical-analysis on the development of Energy Storage industry ...

With the combination of Internet, information technology and energy, energy storage industry plays an important role in the adjustment of energy structure with its abundant ...

Industrial Energy Storage Review

This report examines the different types of energy storage most relevant for industrial plants; the applications of energy storage for the industrial sector; the market, business, regulatory, and ...



State by State: A Roadmap Through the Current US Energy ...

The new law requires the Maryland Public Service Commission to establish the Maryland Energy Storage Program by July 1, 2025 and provides for incentives for the ...

Energy Storage Industry In The Next Decade: Technological ...

Introduction Driven by the global energy transformation and carbon neutrality goals, the energy storage industry is experiencing explosive growth, but it is also facing ...



The Future of Energy Storage , MIT Energy Initiative

Storage enables electricity systems to remain in balance despite variations in wind and solar availability, allowing for cost-effective deep decarbonization ...



Recent advancement in energy storage technologies and their applications

Throughout this concise review, we examine energy storage technologies role in driving innovation in mechanical, electrical, chemical, and thermal systems with a focus on ...



National Blueprint for Lithium Batteries 2021-2030

They enable electrification of the transportation sector and provide stationary grid storage, critical to developing the clean-energy economy. The U.S. has a strong research community, a robust ...



Applications in the Renewable Energy Segment

Increasingly, with the potential application of energy storage in hitherto unexplored areas such as large grid-connected systems for applications including peak shaving, ancillary services, grid ...



China's new energy storage industry: Challenges and policy

...

This study first reviewed the development status of the new energy storage industry, focusing on the characteristics and progress of the industry from policy, market, and technology viewpoints.

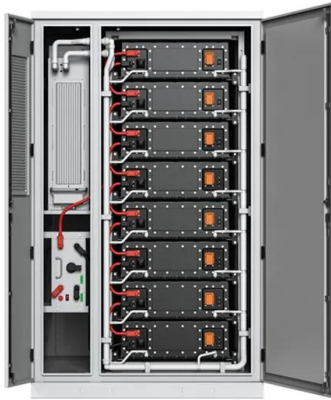
India's Energy Storage Systems , Applications

Overview This report provides an overview of the Indian energy storage market for off-grid solar, examines multiple storage technologies under development, ...



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 ...



CHINA'S ACCELERATING GROWTH IN NEW TYPE ...

Technological breakthrough and industrial application of new type storage are included in the 2023 energy work of the National Energy Administration (NEA).² Energy electric industry is ...



New energy policy and green technology innovation of new energy

The New Energy Demonstration City Policy (NEDCP) is a green development strategy with Chinese characteristics, while new energy enterprises (NEEs) are micro ...

A Review of the Development of the Energy Storage ...

As the global carbon neutrality process accelerates and energy transition continues, the energy storage industry is experiencing ...



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