

National development of energy storage industry





Overview

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BEIJING, Sept. 12 -- China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ensure the stability of new-type power systems. The country aims to achieve more than 180 million.

China's National Energy Administration (NEA) has released the China New Energy Storage Development Report 2025, marking the first official and comprehensive government report dedicated to the country's rapidly advancing new energy storage (NES) sector. The report, jointly prepared by the NEA's.

On September 12, 2025, the National Development and Reform Commission (NDRC) and the National Energy Administration issued a notice on the "Action Plan for Large-Scale Construction of New-Type Energy Storage (2025-2027)," explicitly listing solid-state batteries as a key technology for development.

China's energy storage sector has experienced rapid growth over the past two years and is expected to maintain strong momentum going forward, as the country continues to expand its renewable energy capacity, said industry experts. While energy storage in China has surged ahead in the past few.

China, which already boasts the world's largest energy-storage capacity, is set to nearly double that level by 2027, with an anticipated investment of 250 billion yuan (US\$35 billion), according to Beijing's latest action plan. As outlined in the action plan, China's "new-energy storage system".



By the end of 2023, China had completed and put into operation a cumulative installed capacity of new type energy storage projects reaching 31.4GW / 66.9GWh, with an average storage duration of 2.1 hours. The newly added installed capacity in 2023 was approximately 22.6GW / 48.7GWh, which is three. 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 China's new energy storage plan?

The plan said that the new-energy storage industry is a key source of support for advancing the construction of a manufacturing powerhouse and promoting the efficient development and utilization of new-energy resources. By 2027, China aims to cultivate three to five leading enterprises in the ecosystem.

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.

How many energy storage policies does China have in 2024?

"China has consistently supported the development of critical minerals, and this plan serves as a comprehensive guide for the industry, steering it steadily toward sustainable development," Lin added. China released 770 energy storage-related policies in 2024, with 77 issued at the national level, the Xinhua News Agency reported.

How can China improve the value chain of new-energy storage manufacturing?

To enhance support for the value chain of relevant manufacturing enterprises and foster a service-oriented manufacturing model, China seeks to drive the extensive adoption of next-generation information technologies, including blockchain, big data, artificial intelligence and 5G, within the new-energy



storage manufacturing sector, the plan said.

What is MIIT's new energy storage plan?

The plan, jointly issued by eight departments including the Ministry of Industry and Information Technology (MIIT) on Monday, seeks to foster high-quality development in the new-energy storage manufacturing.



National development of energy storage industry



China Releases First National-Level Policy Document Guiding Storage

On October 11, 2017, China released its first national-level guiding-policy document covering energy storage. The document, "Guiding Opinions on Promoting Energy Storage Technology ...

Energy Storage Systems (ESS) Overview

2 ???· The challenge with Renewable Energy sources arises due to their varying nature with time, climate, season or geographic location. Energy ...



Interpretation of Solid-State Batteries in the "Action Plan for Large

9 ????· On September 12, 2025, the National Development and Reform Commission (NDRC) and the National Energy Administration issued a notice on the "Action Plan for Large ...

[China's Booming Energy Storage: A Policy-Driven and ...](#)

In June 2023, China achieved a significant milestone in its transition to clean energy. For the first time, its total installed non-fossil fuel ...



China's Booming Energy Storage: A Policy-Driven and Highly ...

In June 2023, China achieved a significant milestone in its transition to clean energy. For the first time, its total installed non-fossil fuel energy power generation capacity ...

China to develop high-quality new energy in new era

The State Council released a circular on the implementation plan to promote the high-quality development of new energy in the new era, drawn up by the National Development ...



The current development of the energy storage industry in ...

Advanced countries throughout the globe have begun to list energy storage as a key development industry. This research is qualitative, not quantitative research, and focuses on "energy ...



[China looks to nearly double battery storage by 2027](#)

China is said to be looking to almost double its so-called new energy storage capacity to 180 gigawatts (GW) by 2027, according to an industry plan announced by authorities on Friday. ...

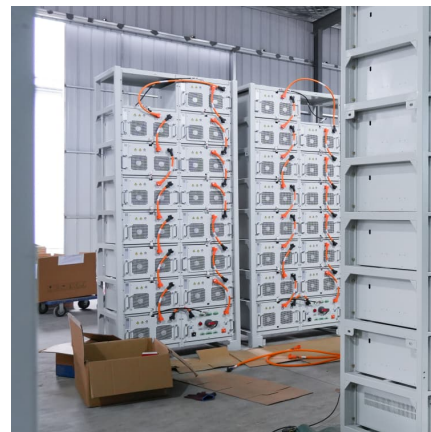


China's energy storage industry rides policy stimulus for growth

Power generation firms are encouraged to build energy storage facilities and improve their capability to shift peak loads, a notice co-released by the National Development and Reform ...

China National Energy Administration Released Official Report

China's National Energy Administration (NEA) has released the China New Energy Storage Development Report 2025, marking the first official and comprehensive ...



[New Energy Storage Technologies Empower Energy ...](#)

Based on a brief analysis of the global and Chinese energy storage markets in terms of size and future development, the publication delves into the relevant business models and cases of new ...



Industry News -- China Energy Storage Alliance

Actively Exploring Energy Storage Application Scenarios In the era when the industry is fully shifting toward marketization, the reform of the ...



Development of energy storage technology

Chapter 1 introduces the definition of energy storage and the development process of energy storage at home and abroad. It also analyzes the demand for energy ...

New Energy Storage Technologies Empower Energy ...

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and establishing a new ...



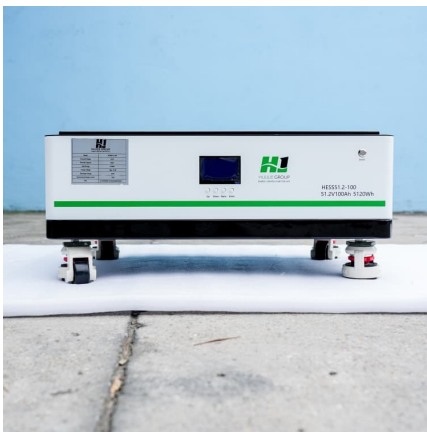


Navigating the Energy Storage Landscape: Challenges and ...

What Are the Many Energy Storage Policies of 2025 Aiming For? As of May 8, 2025, the Chinese energy storage industry is grappling with overcapacity and intense price ...

[China to supercharge energy-storage tech with world ...](#)

2 ???· New plan calls for expansion of energy-storage applications, including more projects in desert areas and at retired coal-fired power plant sites.



2020 China Energy Storage Policy Review: Entering a New ...

Under the direction of the national "Guiding Opinions on Promoting Energy Storage Technology and Industry Development" policy, the development of energy storage in ...

['Power up' for China's energy storage sector](#)

Buoyed by the rapid growth in the renewable energy industry and strong policy support, China's development of power storage is on the cusp of a growth spurt which will ...

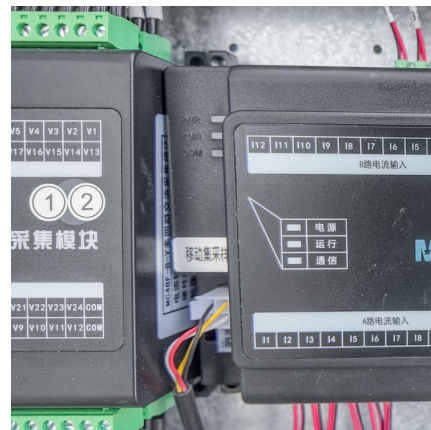


INSIGHT: China new energy storage capacity to surge by 2030

The new energy storage market in China has great development potential in the future. The cumulative installed capacity of new energy storage in China is expected to exceed ...

Analysis of energy storage policies in key countries

This marked the start of policy-driven market development for new energy storage in China. At Interact Analysis, we sorted through a variety of policies issued by ...



China's energy storage industry: Develop status, existing problems ...

Then, this paper analyzes the existing problems of China's energy storage industry from the aspects of technical costs, standard system, benefit evaluation and related ...



Q& A: How China became the world's leading market ...

China's energy storage sector is rapidly expanding. As a solution to balancing the country's growing energy needs and mass renewable ...

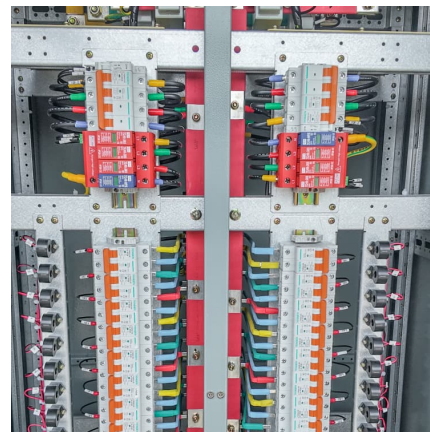


Energy storage set for robust expansion

1 ??· The 2025 China Energy Development Report, released recently by the institute in Beijing, highlights the promising outlook for emerging energy ...

New energy storage welcomes major opportunities, and 3-5 100 ...

At present, energy storage is still an emerging industry, and it cannot be completely said that it has developed very well and maturely, and there is a problem of ...



Energy Storage Systems (ESS) Overview

2 ???· The challenge with Renewable Energy sources arises due to their varying nature with time, climate, season or geographic location. Energy Storage Systems (ESS) can be used for ...



[Energy Storage , Resources & Insight , American ...](#)

Energy storage is a critical part of U.S. infrastructure--keeping the grid reliable, lowering energy costs, minimizing power outages, increasing U.S. energy ...



The current development of the energy storage industry in ...

This research is qualitative, not quantitative research, and focuses on "energy storage" as being among the 4 main axes of energy creation, energy saving, energy storage, ...



China Releases "2019-2020 Action Plan for the 'Guiding Opinions ...

In 2017, China's national government released the Guiding Opinions on Promoting Energy Storage Technology and Industry Development, the first national-level ...





CHINA'S ACCELERATING GROWTH IN NEW TYPE

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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

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National Development and Energy Storage: Powering the Future ...

That's why energy storage isn't just tech jargon; it's the backbone of modern economies. With a booming \$33 billion global industry producing 100 gigawatt-hours annually [1], energy storage ...



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