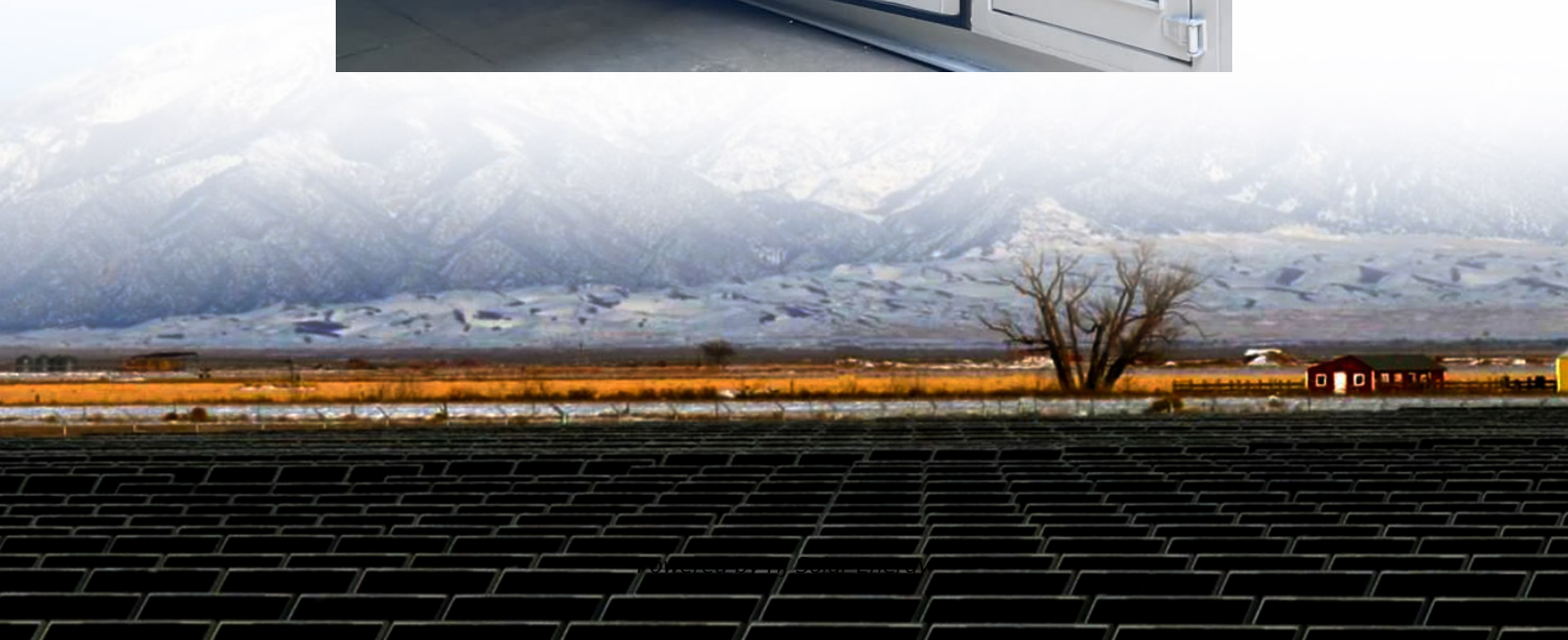


The country has introduced energy storage policies





Overview

In 2024 alone, China introduced 45 new energy storage mandates for wind and solar projects [7], while Germany rolled out tax breaks for home battery systems. But how exactly do these policies work, and why should you care?

Grab a coffee, and let's unravel this electrifying puzzle.

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Announced by the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA), the new plan is expected to drive CNY 250 billion (approximately \$35 billion) in sector investment. China aims to add more than 100 GW of new energy storage (primarily battery storage).

BEIJING - 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 kilowatts of.

In recent years, new energy storage technologies (excluding pumped hydro), led by electrochemical energy storage, have entered the global spotlight. According to public industry data, newly installed capacity of energy storage projects in China soared to 16.5GW in 2022, of which installation of new.

China is emerging as energy storage powerhouse. China's installed power generation capacity surged 14.5 percent year-on-year to 2.99 billion kW by the end of March, with that of solar power soaring 55 percent year-on-year to 660 million kW and wind power rising 21.5 percent year-on-year to 1.1 billion kW.

As solar panels and wind turbines multiply globally, energy storage policies have become the unsung heroes keeping the green energy revolution on track. In 2024 alone, China introduced 45 new energy storage mandates for



wind and solar projects [7], while Germany rolled out tax breaks for home. 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 big is China's energy storage capacity?

Sign up here. Current installed new energy storage capacity, which is made up mostly of lithium-ion battery storage, was 95 GW as of June, the regulator, the National Energy Administration, said in August. China has raced ahead of its energy storage targets in the past.

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.

How much will China's ESG plan stimulate investment?

The plan, released by the state planner, National Development and Reform Commission, and the energy regulator, said the target will stimulate 250 billion yuan (\$35 billion) in investment in the sector. Make sense of the latest ESG trends affecting companies and governments with the Reuters Sustainable Switch newsletter. Sign up here.

How much energy storage will Maine have by 2021?

Maine also set its goal in 2021 to achieve 400 MW of installed storage capacity by 2030, with an interim target of 300 MW by 2025. New York originally set a goal to procure 3 GW of energy storage by 2030, but New York Governor Kathy Hochul most recently announced plans to double that goal to reach 6 GW by 2030.

What is new energy storage?

New energy storage refers to electricity storage processes that use electrochemical, compressed air, flywheel and supercapacitor systems, but



not pumped hydro, which uses water stored behind dams to generate electricity when needed. Our Standards: The Thomson Reuters Trust Principles.



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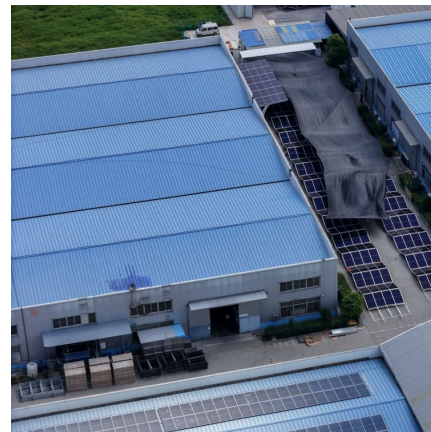


Review of Policy Framework for the Development of Carbon ...

Abstract Carbon capture, utilization and storage (CCUS) has been applied in many countries and has proven to be a key carbon-reduction technology for the future. China currently emits the ...

ESS in China: Supportive policy to accelerate market growth

The reduction of electricity rate during valley hours is adjusted from 42% to 58.5%. Conclusion As the development of renewables and ESS advances in China, energy ...



The impact of the government's new energy storage policy on ...

Due to the differences in energy structure, economic development level, and policy orientation of various countries, China, the United States, Europe, and other countries and regions have ...

[From Document No. 136 to Document No. 394: The Great ...](#)

According to Wechat Official Account @escn518, in the short four months of 2025, a series of new policies have been successively released at the



national and local levels, ...



Andhra Pradesh Releases Battery Energy Storage Regulations

5 ???· The Andhra Pradesh Electricity Regulatory Commission (APERC) has introduced the Battery Energy Storage Systems (BESS) Regulations, 2025, providing a clear framework for ...

China's energy storage industry accelerates dev. with more policies

China's energy storage industry is accelerating development with the improvement of business models and the maturity of the industrial chain, amid introduction of ...



CHINA'S ACCELERATING GROWTH IN NEW TYPE

Local governments have also introduced a series of policies to promote the construction of new type energy storage in conjunction with new energy power generation. In terms of storage ...



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Finally, combining the actual policies and specific applications, the shortcomings of policy formulation are found, and suggestions are put forward for the current ...



(PDF) Comparative Analysis on Energy Storage Policies at Home ...

In this paper, current development of energy storage (ES) in China and the United States is introduced firstly. Then, the typical ES policies of China and the United States are ...

'Major breakthrough': Australia's support for energy storage ...

Australian energy ministers' agreement to tender for renewable energy and energy storage is a "major breakthrough in federal policy".



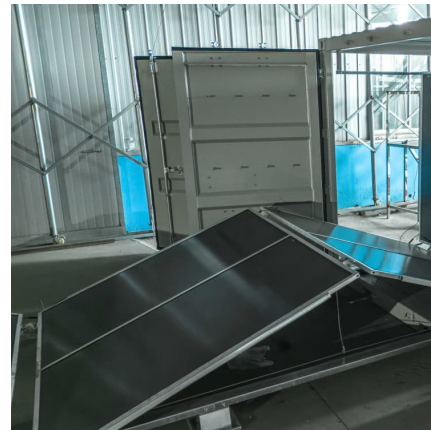
China targets 180 GW of new energy storage by 2027 in ...

5 ???· Policy China targets 180 GW of new energy storage by 2027 in ambitious national plan Announced by the National Development and Reform Commission (NDRC) and the National ...



[China scraps energy storage mandate for renewable ...](#)

In a major policy shift toward electricity market liberalization, China has introduced contract-for-difference (CfD) auctions for renewable ...



Subsidy Policies and Economic Analysis of Photovoltaic Energy Storage

In the context of China's new power system, various regions have implemented policies mandating the integration of new energy sources with energy storage, while also ...

The Differences in Subsidy Policies for Solar Energy ...

There are significant differences in the subsidy policies of different countries for solar energy storage systems, and the following are the specific policies of ...





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

5 ???· China is looking to almost double its so-called new energy storage capacity to 180 gigawatts (GW) by 2027, according to an industry plan ...

State of Energy Policy 2024

Against this backdrop, the IEA has produced its inaugural edition of State of Energy Policy. Intended as a 'first-of-its-kind' global inventory, this annual publication provides users with the ...



Vietnam's Renewable Energy Policies and Opportunities for the ...

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[Energy Storage: Connecting India to Clean Power on ...](#)

Executive Summary The rapid expansion of renewable energy has both highlighted its deficiencies, such as intermittent supply, and the pressing need for grid-scale energy storage ...



[Summary of China s energy storage policies](#)

The White Paper presents key developments of China's energy system since 2012, and sets out main policies and measures for promoting major energy system transitions in response to ...





Policies on energy storage systems

Impact of energy storage system policy ESS policies are the reason storage technologies are developing and being utilised at a very high rate. Storage technologies are now moving in ...



[China scraps energy storage mandate for renewable ...](#)

In a major policy shift towards electricity market liberalization, China has introduced contract for difference (CfD) auctions for renewable ...

Key Policies on Energy Storage Shaping the Future of ...

In 2024 alone, China introduced 45 new energy storage mandates for wind and solar projects [7], while Germany rolled out tax breaks for home battery systems. But how ...



[Solar and storage 2025: US policy risks and the new global ...](#)

Despite a potential slowdown in growth in the US market, the European market is expected to maintain steady growth in PV and energy storage demand, driven by long-term ...



Navigating Policy & Regulation in Energy Storage , Trina Solar

The Inflation Reduction Act (IRA) of 2022 remains a cornerstone of U.S. energy storage policy, unlocking unprecedented investment in standalone battery storage. Since its ...



Energy storage: Development of the market

The Dutch government has introduced some policies to support the energy storage market in recent years. Examples of these include the removal of double taxation of ...

Analysis of energy storage policies in key countries

Facing energy price hikes, the German government introduced a series of policies and regulations to drive BTM energy storage installations (particularly ...





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