

Energy storage planning national energy administration





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.

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".

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).

The policy aims to achieve large-scale application of semi-solid-state batteries and finalize the technology for all-solid-state batteries by 2027, helping to boost new-type ESS installations to over 180 million kW and drive direct investment of approximately 250 billion yuan. SMM September 17.



On July 31, the National Energy Administration held a press conference to release information on the energy situation and the grid-connected operation of renewable energy in the first half of the year. They also introduced the development of new energy storage and the issuance of green. 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.

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.

Does Cnesa have a role in China's new energy storage capacity?

CNESA’s involvement reflects the report’s collaborative yet government-led nature, ensuring data integrity and broad sectoral representation. The most notable finding: by the end of 2024, China had reached 73.76 GW / 168 GWh in cumulative new energy storage capacity—an increase of more than 130% year-on-year.

How long does energy storage last in 2024?

Highlights from the 2025 Energy Storage Report According to the NEA, 2024 saw the addition of 42.37 GW / 101 GWh in new NES capacity. The average storage duration rose to 2.3 hours, reflecting ongoing improvements in system design and grid integration.

What is the scope of energy storage in the PRC?

“ 新能源存储设施,” People’s Government of the PRC, 3 Jan 2023, at https://www.gov.cn/xinhua/2023/01/03/content_6888888.htm. The scope includes two categories: dispatch-controlled new type energy storage and self-used new type energy storage by power stations.

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.](#)



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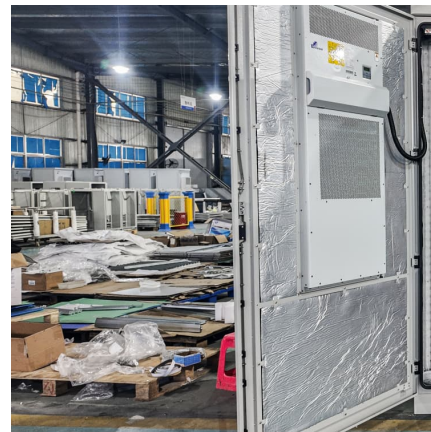


[Led by China, Eastern Asia can meet key target](#)

In September 2021, China's National Energy Administration (NEA) released its "Mid-term and Long-term Development Plan for Pumped Storage Hydropower 2021-2035."

China targets 180 GW of new energy storage by 2027 in ambitious national

5 ???· 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 ...



Multi-objective optimization of capacity and technology selection ...

To support long-term energy storage capacity planning, this study proposes a non-linear multi-objective planning model for provincial energy storage capacity (ESC) and ...

China National Energy Administration Issues New Industry ...

In a recent move to support energy security and the transition to green, low-carbon development, the National Energy Administration (NEA) has



released a batch of major ...



Approval and progress analysis of pumped storage power ...

(3) National policy orientation, the National Energy Administration stressed the importance of the protection of pumped storage power plant resource sites, planning site ...



National Energy Administration's guidance on energy work in ...

The State Energy Administration issued the guidance on energy work in 2021, launched a new round of medium and long-term planning for pumped storage in China, ...



PLANNING & ZONING FOR BATTERY ENERGY ...

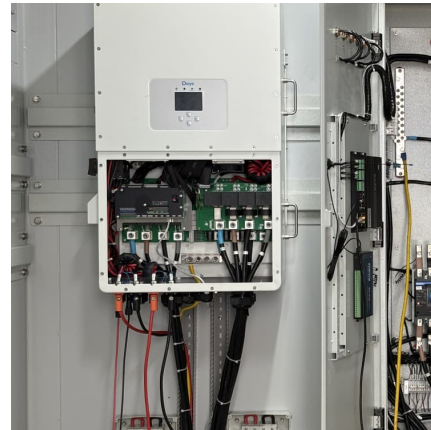
In November 2023, Michigan became the first state in the Midwest2 to set a Statewide Energy Storage Target, calling for 2,500 megawatt (MW) of energy storage by 2029 in Public Act 235 ...





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

5 ???· 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 ...



New energy storage sector sees fast growth

China's new energy storage sector saw rapid growth in 2024, with installed capacity surpassing 70 million kilowatts, said an official with the National Energy Administration.

China's energy regulator lists priority tasks for high-quality ...

China's National Energy Administration (NEA) has decided to make multi-pronged efforts to advance the high-quality development of the domestic energy sector.



NDRC, NEA, and NDA issue action plan on power system ...

In August 2024, the National Development and Reform Commission (NDRC), National Energy Administration (NEA), and National Data Administration (NDA) jointly released ...



National Energy Administration issued "New Energy Storage ...

A few days ago, the National Energy Administration officially issued the 'New Energy Storage Project Management Regulations (Interim)'. In the context of the 'dual carbon' goal, entering ...



National Energy Administration: Accelerate the innova energy storage

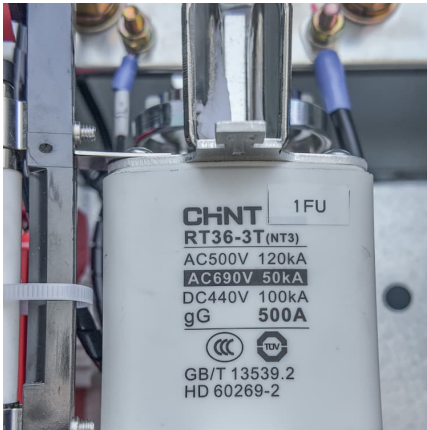
Overall requirements, development goals and relevant key task arrangements are put forward around the planning and configuration of new energy storage, project management, scheduling ...



SCIO press conference on fully implementing the guiding ...

Today, we have invited Mr. Zhang Jianhua, administrator of the National Energy Administration (NEA), to brief you on fully implementing the guiding principles of the 20th CPC ...





14th Five-Year Plan: Modern Energy System Planning (2021-2025)

China , Policy , This plan explicitly mentions global climate governance and the ongoing low-carbon transformation of the energy and industry sectors. It seeks to coordinate measures to ...

Installed Capacity Reaches 168 GWh with 130% Growth: Chinese ...

According to Official Amount @sjchuneng, on January 23, the National Energy Administration (NEA) held a press conference where Bian Guangqi, Deputy Director of the ...

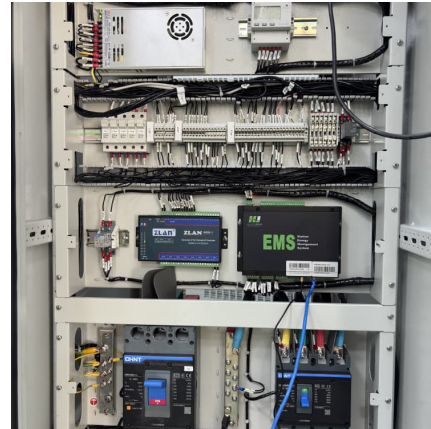


[China to supercharge energy-storage tech with world ...](#)

2 ???· Released jointly by the National Development and Reform Commission and the National Energy Administration (NEA) on Friday, the plan also aims to ...

?China specifies energy targets for 2021-2025?-National ...

By 2025, China aims to bring the annual domestic energy production capacity to over 4.6 billion tonnes of standard coal, according to the plan jointly released by the National ...



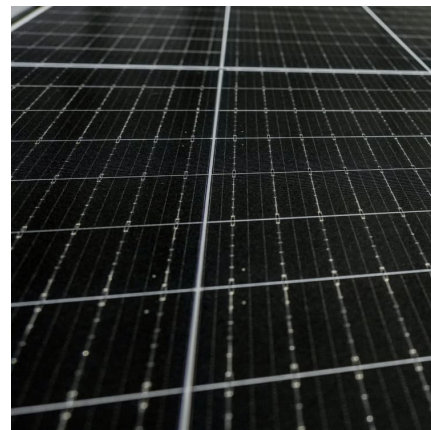
The National Energy Administration organized the release of the ...

On June 2, 2023, the China Electric Power Planning & Engineering Institute hosted the launch of the "New Power System Development Blue Book" (hereinafter referred to as the "Blue Book") ...



National grid energy storage planning

On March 21, the National Development and Reform Commission (NDRC) and the National Energy Administration of China issued the New Energy Storage Development Plan During ...



Energy Law: Month in Review

The state's current operational battery energy storage capacity is 430 MW. The New York State Energy Research and Development Authority will begin implementation of the ...





[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 ...

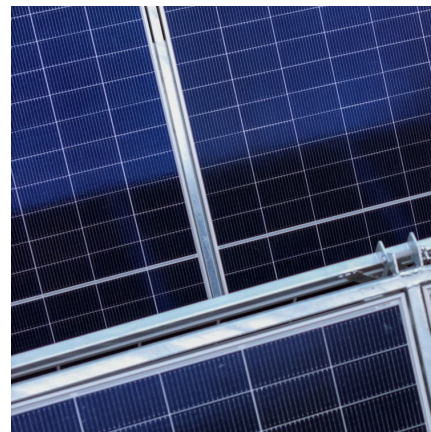


National Energy Administration: Clarify grid connection ...

Standardize the grid connection management of new energy storage power stations. Grid enterprises and power dispatching agencies must formulate detailed grid connection rules for ...

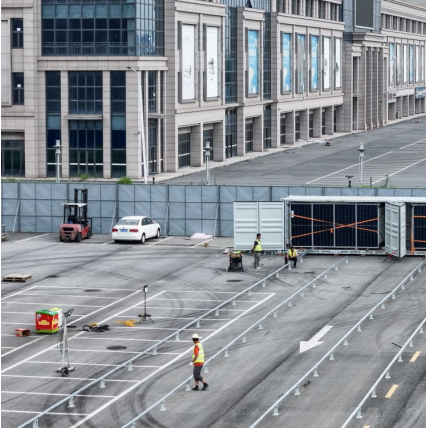
China National Energy Administration Released Official Report

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



Homepage

Monthly average natural gas spot prices in the northwestern United States reached historic lows in 2025, as ample supply from Canada coincided with subdued regional demand for natural ...



National Energy Administration Of China: New Energy Storage ...

In terms of technological routes, multiple compressed air energy storage, flow battery energy storage, and sodium-ion battery energy storage projects have been ...



national energy administration new energy storage planning

Notice of the National Energy Administration on Issuing the "Management Regulations for New Energy Storage ... Article 6 According to the national new-type energy storage development ...

The National Energy Administration approved 310 energy industry

On June 12, the National Energy Administration approved 310 energy industry standards such as "New Energy Base power Transmission Configuration New energy storage ...



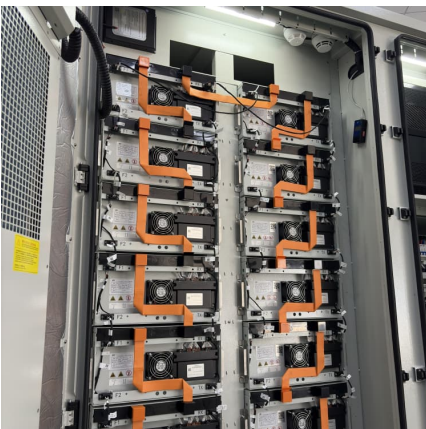


Strengthen the Tracking of Pilot Demonstration Projects of New Energy

Energy Storage Is an Important Technology and Basic Equipment for Building a New Power System. Since the 14 Th Five-Year Plan, the National Energy Administration Has Thoroughly ...

National Energy Administration (NEA) Announces Approval of Seven Energy

On November 27, the National Energy Administration released its No. 5 announcement for 2020, approving 502 energy industry standards. Seven of the announced ...



New energy to help meet green pledge

China will step up efforts to boost new energy development while ensuring energy security this year, as part of concerted efforts to meet its green commitment, said the ...

CHINA'S ACCELERATING GROWTH IN NEW TYPE

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The Coverage and Intensity of Policies Continuing to Increase Technological breakthrough and industrial application of new type storage are included in the 2023 energy work of the National ...

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