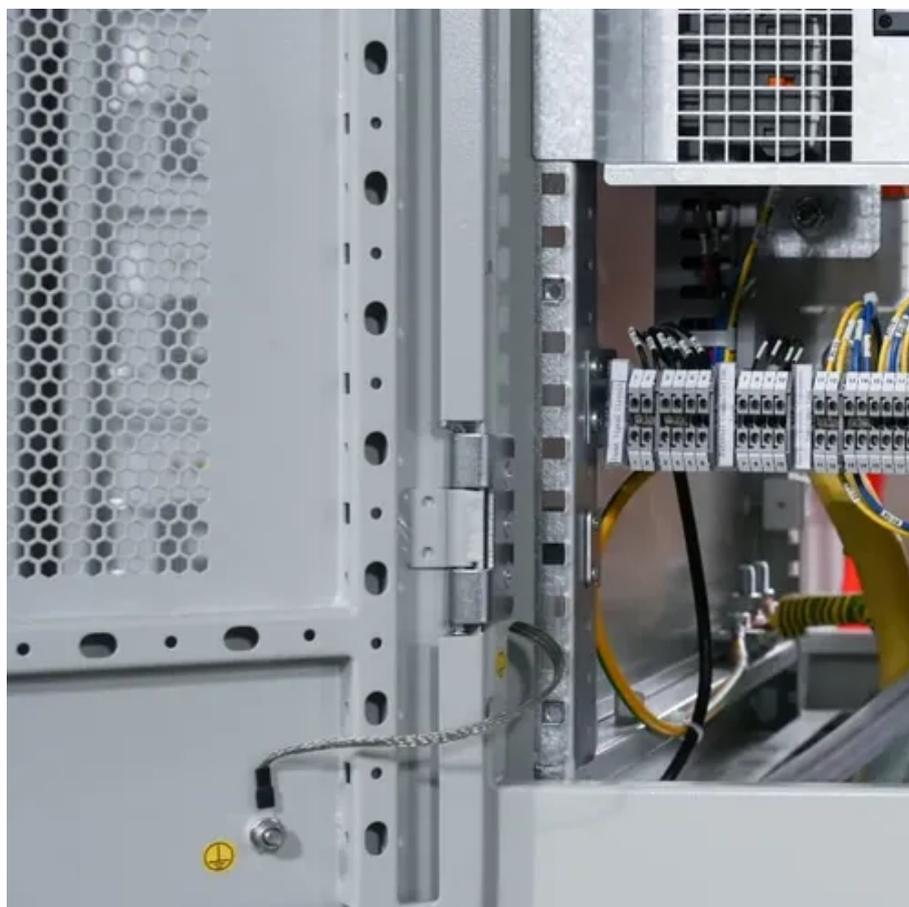




Large-scale energy storage base construction plan





Overview

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.

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China has published a national plan to promote large-scale energy storage facilities, encouraging investment and broader participation in the electricity market. The 'Special action plan for large-scale construction of new energy storage (2025-2027)' was published last Friday (12 September).

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.

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).

China's three-year action plan for new energy storage construction has been released, targeting an installed capacity of over 180 million kilowatts by 2027, driving direct investment of 250 billion yuan. China's three-year action plan for new energy storage construction has been released, targeting.

US developers of large-scale battery storage stations have 18.7 GW of new capacity under construction, according to S&P Global Energy Market Intelligence data, indicating another strong year for the grid's electrochemical shock absorbers. Capacity under construction has grown by a net 4.5 GW since.

By 2027, the new energy storage system will have achieved large-scale and



market-oriented development, with a stable level of technological innovation and equipment manufacturing capabilities at the forefront of the world. The market mechanism, business model, and standard system will be basically.



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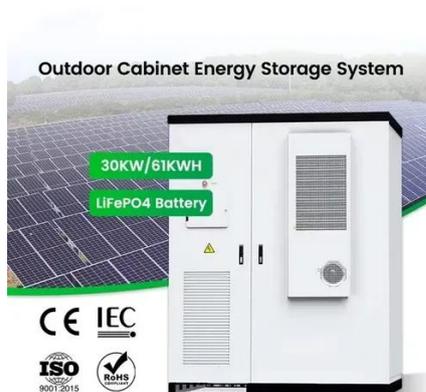


U.S. Grid Energy Storage Factsheet

Electrical Energy Storage (EES) systems store electricity and convert it back to electrical energy when needed. Batteries are one of the most common forms of electrical energy storage.

China targets 180GW of installed BESS capacity ...

The policy and regulatory roadmap is aimed at pushing China's installed base of large-scale energy storage - primarily lithium-ion ...



The action plan for the large-scale construction of new energy storage

By 2027, the new energy storage system will have achieved large-scale and market-oriented development, with a stable level of technological innovation and equipment ...



Standard 20ft containers



Standard 40ft containers

Utility-scale battery energy storage system (BESS)

stem -- 1. Introduction Reference Architecture for utility-scale battery energy storage system (BESS) This documentation provides a Reference



Architecture for power distribution and ...



[China targets 180GW of installed BESS capacity by 2027](#)

The policy and regulatory roadmap is aimed at pushing China's installed base of large-scale energy storage - primarily lithium-ion battery energy storage systems (BESS) - to ...

[China targets 180 GW of new energy storage by 2027 in ...](#)

China aims to add more than 100 GW of new energy storage (primarily battery storage, excluding pumped hydro) by 2027, according to a new action plan presented by ...



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

The "Action Plan for the Large-Scale Construction of New-Type Energy Storage (2025-2027)" (hereinafter referred to as the "Plan") is a key policy document in China's efforts ...



US battery storage boom extends into 2025; nearly 19 GW under

More than 80 battery peakers with power storage capacities of at least 100 MW are under construction, the largest of which is AES Corp.'s 700-MW Rexford 1 Battery Storage ...



Large-Scale Energy Storage Base Construction: Powering ...

The question isn't whether we'll build these energy reservoirs, but whether we can build them smart enough, safe enough, and fast enough to catch the renewable wave.

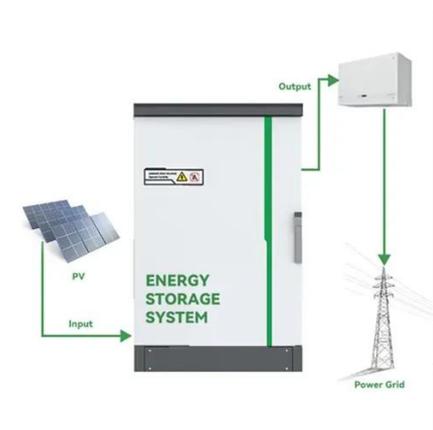
China's three-year action plan for new energy storage construction ...

By 2027, new energy storage is expected to achieve large-scale, market-oriented development, with innovation levels and equipment manufacturing capabilities ranking among the top globally.



Large-scale energy storage base construction plan

The plan specified development goals for new energy storage in China, by 2025, new energy storage technologies will step into a large-scale development period and meet the conditions ...





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