



China s lithium battery energy storage system production capacity





Overview

China's cumulative battery storage capacity doubled in 2024, reaching roughly 62 GW (141 GWh) by year-end. Lithium-ion batteries made up over 96 % of this capacity. Chinese firms dominate both production and deployment. China has a goal to install 180 gigawatts of battery energy storage systems by the end of 2027, with a direct project investment of \$35. This figure represents nearly 50% year-on-year growth compared with 2024. China and the United States led global deployments, with China far outpacing all other countries. The figures are taken from the recently released 2025 China Energy Storage Industry Data Report published by CNESA. Data from the China Energy Storage Alliance (CNESA) shows China's cumulative power-sector energy storage capacity reached 213. 3% of the total, while "new-type" energy storage made up 67.



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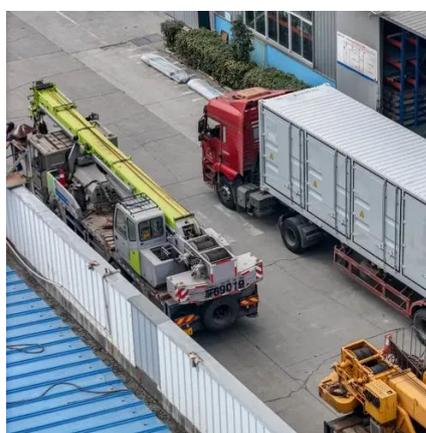


China aims to nearly double battery storage by 2027 in \$35 billion plan

China is 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 Lithium-Ion Battery Output Surges in Early 2025](#)

As the global push for sustainable energy solutions continues, China's rising production capacity in lithium-ion technology positions it as a significant player in the global market for energy ...

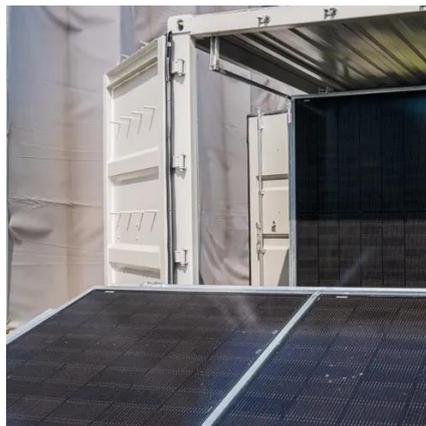


[China's battery storage capacity doubles in 2024](#)

By the end of 2024, China's cumulative capacity reached 62 GW/141 GWh. Standalone storage and renewable-paired systems accounted for 95% of all installations. Deployment remained ...

[THE CHINA BATTERY ENERGY STORAGE SYSTEM \(BESS\) ...](#)

Ahead and heading into a new era for new energy, it is expected that China's energy storage capacity and its BESS capacity in particular will grow at a CAGR rate of 44% between 2023 and 2027.



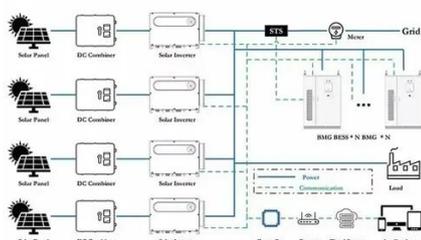
China Targets 180 Gigawatts of Battery Storage by end of 2027

1 China has a goal to install 180 gigawatts of battery energy storage systems by the end of 2027, with a direct project investment of \$35.2 billion.



China's One Month Lithium Battery Energy Storage Installations Beat

China's cumulative battery storage capacity doubled in 2024, reaching roughly 62 GW (141 GWh) by year-end. Lithium-ion batteries made up over 96 % of this capacity. Chinese firms ...



Already world's top energy-storing nation, China to supercharge

As outlined in the action plan, China's "new-energy storage system" capacity - primarily based on lithium-ion batteries - is set to exceed 180 gigawatts within two years, up from 95GW as of ...

At nearly 200GWh, China's new



energy storage deployment rate hit

...

By the end of December 2025, China's cumulative installed capacity of new energy storage technologies including lithium-ion reached 144.7GW.



China Surpasses 100 GW of New Energy Storage as Capacity Growth

Of this total, 101.3 GW stems from so-called "new energy storage" technologies--largely lithium-ion battery systems--representing a 110% year-on-year surge. The figures underscore both ...

China's 2025 Energy Storage Growth: Capacity Reaches 213.3 GW

China's energy storage capacity grew 54% to 213.3 GW in 2025, with new-type systems like LFP batteries making up 67.9% of the total, according to the latest CNESA annual data report.





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