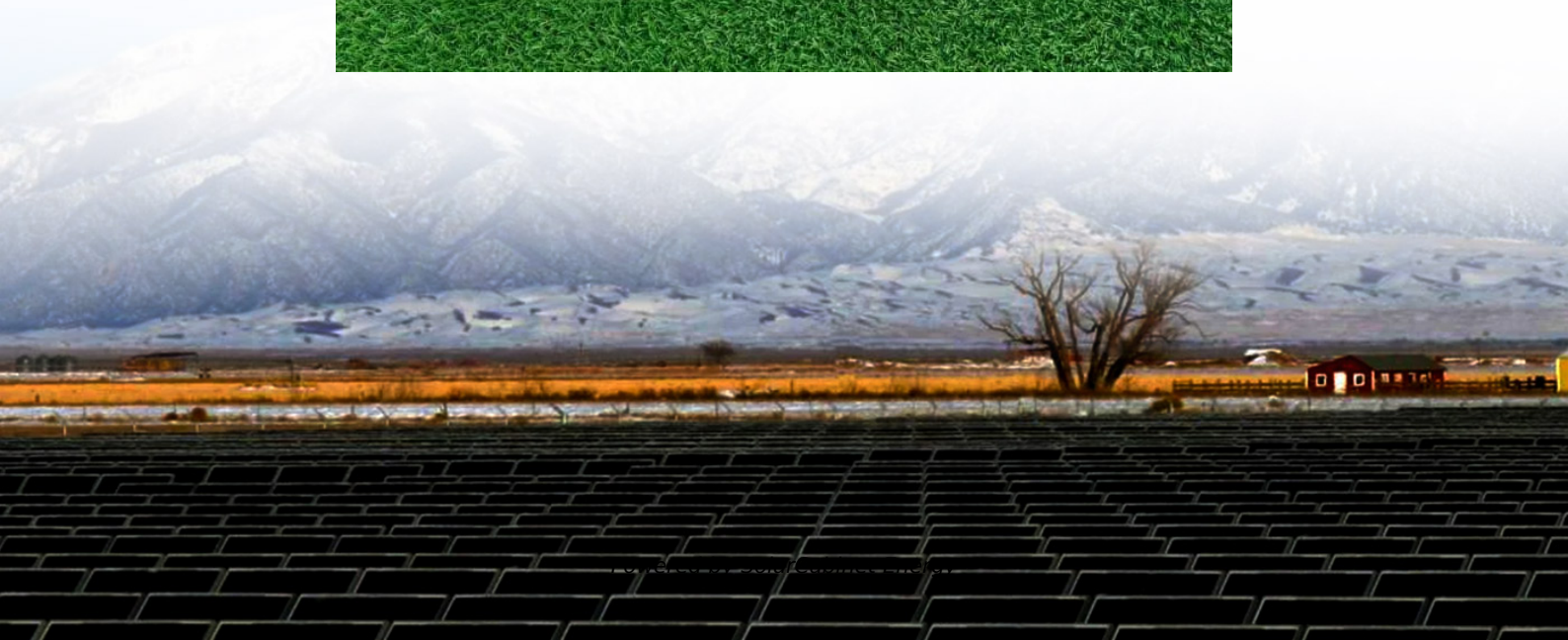


China Energy Storage Equipment





Overview

What is China's energy storage strategy?

In China, generation-side and grid-side energy storage dominate, making up 97% of newly deployed energy storage capacity in 2023. In China, generation-side and grid-side energy storage dominate, making up 97% of newly deployed energy storage capacity in 2023. 2023 was a breakthrough year for industrial and commercial energy storage in China.

What is the future of energy storage in China?

In China, generation-side and grid-side energy storage dominate, making up 97% of newly deployed energy storage capacity in 2023. 2023 was a breakthrough year for industrial and commercial energy storage in China. Projections show significant growth for the future.

Does China's Energy Storage Technology set a new global benchmark?

Chen Haisheng, Chairman of CNESA, noted: "China's CAES technology has advanced from 100 MW to 300 MW in a decade, setting a new global benchmark." The Energy Storage Industry White Paper 2025 reveals that global new energy storage installations reached 165.4 GW in 2024, with China contributing 43.7 GW of new capacity.

Will China's energy storage capacity exceed 50 GW by 2030?

Industry projections indicate that China's compressed air energy storage capacity will exceed 50 GW by 2030, enabling annual CO₂ emission reductions of over 200 million tons - equivalent to shutting down 60 one-gigawatt coal-fired power plants - thereby providing robust support for building a new-type power system.

How much energy storage does China have in 2023?

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 times that for 2022 (7.3GW / 15.9GWh).

Is compressed air energy storage a key development focus in China?

Compressed air energy storage has been included as a key development focus in China's 14th Five-Year Plan for new energy storage technologies, with multiple regions introducing dedicated subsidy policies.



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