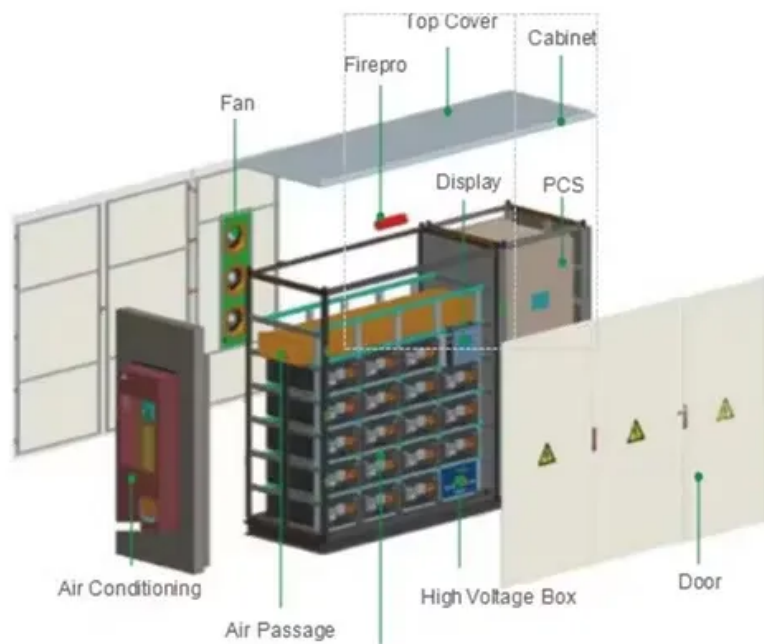


Fei new energy storage power generation project





Overview

In a significant technological advancement, the country's largest "coal-to-power plus molten salt" storage project, located in Suzhou, east China's Anhui province, recently completed a 168-hour trial run and officially began operation. What is Fengning pumped storage power station?

Capable of harnessing the power of nature and storing and releasing energy as needed, the structure — Fengning Pumped Storage Power Station — is known as the world's largest "power bank". In the valley where the station stands, a pair of reservoirs have been constructed at different elevations.

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).

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.

How many pumped-storage hydropower stations will China have in 2025?

According to estimates from the China Renewable Energy Engineering Institute, with more than 200 pumped-storage hydropower stations to be installed during the 14th Five-Year Plan (2021-25) period, its total installed capacity will reach 62 million kW by 2025.

What is the scope of energy storage in the PRC?

“ 国家能源局发布《抽水蓄能中长期发展规划（2021—2035年）》，” People’s Government of the PRC, 3 Jan



2023, at <https://> The scope includes two categories: dispatch-controlled new type energy storage and self-used new type energy storage by power stations.

Will pumped-storage hydroelectric industry enter a new stage of development?

Liu Changyi, deputy general manager of State Grid Xinyuan Co Ltd — a major pumped-storage hydroelectric company — said that the industry will enter a new stage of development and usher in great opportunities during the 14th Five-Year Plan period.



Fei new energy storage power generation project



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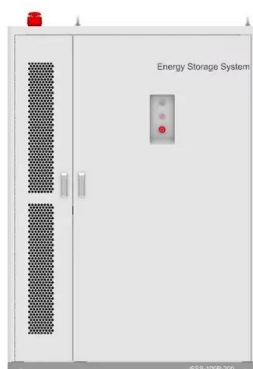


 LFP 12V 200Ah

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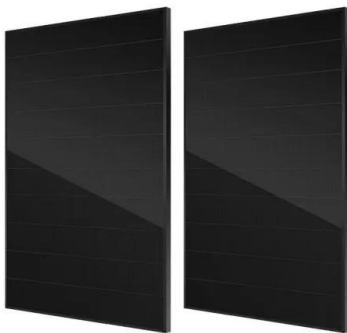
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