

Air Energy Storage Power Station Orders





Overview

What is a compressed air energy storage station?

"The compressed-air energy storage station offers large capacity, long storage time (over 4 hours), and efficient response, making it comparable to small and medium-sized pumped storage power plants," Liu Yong, Secretary General of Energy Storage Application Branch of China Industrial Association of Power Sources told the Global Times on Wednesday.

What is a compressed air energy storage project?

A compressed air energy storage (CAES) project in Hubei, China, has come online, with 300MW/1,500MWh of capacity. The 5-hour duration project, called Hubei Yingchang, was built in two years with a total investment of CNY1.95 billion (US\$270 million) and uses abandoned salt mines in the Yingcheng area of Hubei, China's sixth-most populous province.

What is energy storage No 1?

The "Energy Storage No. 1" project utilizes the caverns of an abandoned salt mine, reaching up to 600 meters of depth, as its gas storage facility. This allows for a gas storage volume of nearly 700,000 cubic meters, translating into a single unit power output of up to 300 MW and a storage capacity of 1,500 MWh.

Where is CAES power station located?

A landmark CAES power station utilizing two underground salt caverns in Yingcheng City, central China's Hubei Province, was successfully connected to the grid at full capacity on Thursday, marking the official commencement of its commercial operations.



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[World's Largest Compressed Air Energy Storage Power Station ...](#)

Aug 21, 2023 · The power station, with a 300MW system, is claimed to be the largest compressed air energy storage power station in the world, with highest efficiency and lowest unit cost as



well.



[World's First 300-MW Compressed Air Energy Storage Station ...](#)

Apr 18, 2024 · The world's first 300-megawatt compressed air energy storage (CAES) station in Yingcheng, Central China's Hubei province, was successfully connected to grid on April 9.

[Shanghai Electric Distributed Energy Co Ltd-](#)

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