

Sana a Air Energy Storage Power Station





Overview

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. 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 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.

What is Jintan salt cavern energy storage project?

The second phase of Jintan Salt Cavern Compressed-Air Energy Storage Project plans to build two 350-megawatt non-supplementary fired compressed air energy storage units, with a total volume of 1.2 million cubic meters, making it the largest in unit capacity, storage volume, and efficiency.

How does salt cavern energy storage work?

Salt cavern compressed-air energy storage, dubbed as the underground "green power bank," stores electricity by compressing air into underground salt caverns during off-peak times. The air is then released during peak demand to generate electricity, balancing supply and demand, as China Group Media reported.



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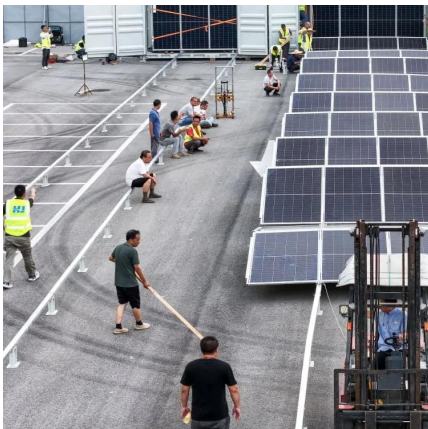


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