

State grid invests hundreds of billions to develop pumped storage

How much money will China invest in energy storage projects?

With total investment of more than 14.77 billion yuan (\$2.33 billion), the two projects are expected to be put into operation by 2030, said the company. Pumped storage hydropower is the most common type of energy storage in use today.

How many kilowatts is China's State Grid?

Operated by the State Grid Corporation of China, the facility boasts a total installed capacity of 3.6 million kilowatts and is designed to generate 6.61 billion kilowatt hours of electricity annually.

How many kilowatt hours does pumped storage generate?

The company said that since its initial units began operating in 2021, the plant has generated approximately 8.62 billion kilowatt hours of electricity. As a leading renewable energy storage technology, pumped storage plays a key role in advancing the country's green energy transition.

What is pumped storage hydropower?

Pumped storage hydropower is the most common type of energy storage in use today. It saves excess power by using it to pump water from a lower reservoir to an upper one at night when electricity demand is low and releasing it to generate power during the day when demand is high.

Where is Fengning pumped-storage power station?

A drone photo taken on Dec. 31, 2024 shows the underground workshop of Fengning pumped-storage power station in Fengning Manchu Autonomous County, north China's Hebei Province. Fengning power station, the pumped-storage power station with the largest installed capacity of its kind in the world, was put into full operation on Tuesday. [Photo/Xinhua]

Where is Fengning pumped storage hydropower plant located?

[Photo/Xinhua] SHIJIAZHUANG, Dec. 31 -- The Fengning pumped storage hydropower plant, the largest of its kind globally, has commenced full operation in the city of Chengde, north China's Hebei Province.



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