

## Solar Energy South Africa

# Fengli Power Plant



## Overview

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The Fengning Pumped Storage Power Station (: 丰宁抽水蓄能电站) is a power station about 145 km (90 mi) northwest of in of , China. Construction on the power station began in June 2013 and the first generator was commissioned in 2019, the last in 2021. Project cost was US\$1.87 billion. On 1 April 2014 was awarded the main contract to build the po.

Is China's Fengning power station the world's largest hydro power plant?

China has set a new global benchmark in the global hydropower sector with the completion of the Fengning Pumped Storage Power Station, the largest of its kind in the world. China's Fengning Station: World's Largest Pumped Hydro Power Plant Sets New Global Benchmark.

How big is China's Fengning pumped storage power station?

China has set a new global benchmark in the global hydropower sector with the completion of the Fengning Pumped Storage Power Station, the largest of its kind in the world. Located in Hebei province, this cutting-edge facility has a total installed capacity of 3.6 GW and is operated by the State Grid Corporation of China (SGCC).

Where is Fengning pumped storage power station located?

The Fengning pumped storage hydropower plant in Hebei province (courtesy: State Grid Corporation of China) China has set a new global benchmark in the global hydropower sector with the completion of the Fengning Pumped Storage Power Station, the largest of its kind in the world.

What is Fengning pumped storage facility?

The Fengning pumped storage facility will operate as a peaking power plant for the safe and stable operation of the Beijing-Tianjin-North Hebei grid while balancing intermittent power supply from large wind and solar parks in northern Hebei and Inner Mongolia, it said.

When was Fengning power station built?

Construction of the Fengning station began in June 2013, with the Gezhouba Group securing the main contract to build the power station in April 2014. The project was constructed in two phases, each involving six 300 MW reversible pump-turbine units, together delivering the full 3.6 GW of installed capacity.

How does Fengning work?

Fengning surpasses the Bath County project in the US as the world's largest pumped hydro station. During times of excess power, pumps are used to push water to reservoirs uphill. When more energy is required, gravity pulls the water back down through a turbine that generates electricity.

## Fengli Power Plant

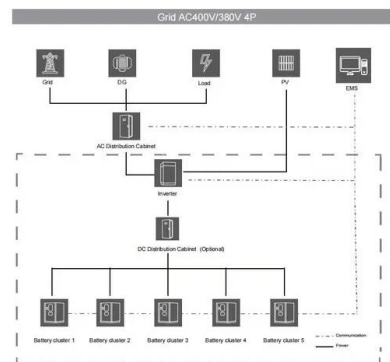


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### [Fengning Pumped Storage Power Station](#)

The Fengning Pumped Storage Power Station (Chinese: ??????????) is a pumped-storage

hydroelectric power station about 145 km (90 mi) northwest of Chengde in Fengning Manchu Autonomous County of Hebei Province, China. Construction on the power station began in June 2013 and the first generator was commissioned in 2019, the last in 2021. Project cost was US\$1.87 billion. On 1 April 2014 Gezhouba Group was awarded the main contract to build the po...



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