

# Current status of energy storage application on the power supply side in china

What are the application scenarios of energy storage in China?

It also introduces the application scenarios of energy storage on the power generation side, transmission and distribution side, user side and microgrid of the power system in detail. Section 3 introduces six business models of energy storage in China and analyzes their practical applications.

Is China's power storage capacity on the cusp of growth?

[WANG ZHENG/FOR CHINA DAILY] China's power storage capacity is on the cusp of growth, fueled by rapid advances in the renewable energy industry, innovative technologies and ambitious government policies aimed at driving sustainable development, experts said.

Why is energy storage important in North China?

North China has abundant wind power resources. Energy storage assists wind farms with the storage and transportation of electrical energy. Energy storage projects in North China are currently the most in China. Due to the geographical environment, the power grid in Northwest China cannot supply power to all regions.

What are ancillary service business models for energy storage in China?

There are three types of ancillary service business models for energy storage in China. As shown in Fig. 2, the first is the power generation company investment model. Power generation companies use existing funds or bank loans to build and operate energy storage through energy storage operating companies.

What are the energy storage projects in North China?

Energy storage projects in North China are currently the most in China. Due to the geographical environment, the power grid in Northwest China cannot supply power to all regions. Provide electricity to the people of the region through off-grid distributed generation and energy storage systems.

Is China's energy storage industry a strategic emerging sector?

China's energy storage industry is experiencing rapid expansion and has been designated as a strategic emerging sector. storage has surged from 3.81 GW in 2020 to 78.32 GW in 2024 (Figure 1). congestion . Addressing these technical barriers is essential for China to maximize re-



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