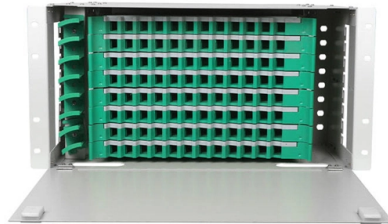


China New Energy Big Data Center



Overview

China's first artificial intelligence (AI) data center supplied entirely through a direct green electricity connection has officially commenced operations in Zhongwei, Ningxia Hui Autonomous Region, marking a significant step in integrating renewable energy with next-generation computing. China's first artificial intelligence (AI) data center supplied entirely through a direct green electricity connection has officially commenced operations in Zhongwei, Ningxia Hui Autonomous Region, marking a significant step in integrating renewable energy with next-generation computing. China's first artificial intelligence (AI) data center supplied entirely through a direct green electricity connection has officially commenced operations in Zhongwei, Ningxia Hui Autonomous Region, marking a significant step in integrating renewable energy with next-generation computing. China is on course to nearly double its data center capacity within five years, with 28 gigawatts (GW) of new projects expected to come online by 2030, adding to the 32 GW already installed as of the end of last year, according to new analysis from Rystad Energy. Based on currently announced. China is set to significantly expand its digital infrastructure, with new analysis from Rystad Energy projecting the country will nearly double its data center capacity over the next five years. An anticipated 28 gigawatts (GW) of new projects are expected to come online by 2030, building on the 32. The rise of artificial intelligence (AI) and other technologies has driven the “surging” growth of data centres in China, with associated increases in energy demand and emissions. There were 449 data centres in China at the end of 2023, the most in the Asia-Pacific region.



Article Content

New Energy Outlook 2026

The New Energy Outlook is BNEF's annual report focused on long-term energy and climate scenarios for the energy transition.

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Discover how China's first AI data center powered by 100 percent renewable electricity is advancing sustainable digital infrastructure, improving energy efficiency, and supporting growth in the

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Energy demand from AI – Energy and AI – Analysis

Energy demand from AI What is a data centre? Artificial intelligence (AI) model training and deployment occur mainly in data centres. Understanding the role of

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Big Tech data centers are driving up power bills at America's Rust Belt factories Fired bricks head out of the 400-foot-long tunnel kiln at Belden Brick in Sugarcreek, Ohio, U.S., November 12, 2025.

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China's power reforms, global data centre buildout

The surge in sales is driven by data centres and renewables domestically, as well as by Chinese reforms and subsidies that are boosting

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U.S. government policy is now closely aligned with this shift. The Trump Administration has emphasized “energy dominance” and reliable power to

China Opens First AI Data Center Powered by 100% Green Electricity

China has launched its first artificial intelligence data center fully powered by renewable energy, marking a step toward integrating clean power with high-performance computing infrastructure. The facility,

Explainer: How China is managing the rising energy

The International Energy Agency (IEA) says in a new report that China accounted for 25% of global data-centre electricity consumption in 2024,

China's Data Center Boom Could Double Power

China's rapid expansion of AI-driven data centers is set to more than double electricity consumption from the sector by 2030, making it one of the

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With ~\$2.9 trillion in global data center construction projected through 2028, AI has become a structural force in economic expansion Although 21% of

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China's first large-scale project to supply renewable energy directly to data centres started operating on Saturday.

China's data center capacity set to top 60 GW by 2030,

China is on course to nearly double its data center capacity within five years, with 28 gigawatts (GW) of new projects expected to come online by 2030, adding to the

China's AI data centre boom is bending the country's | AI in Asia

China's data centre electricity use may rise about 170 per cent by 2030, the IEA says, making AI a swing factor in a grid still reliant on coal.

Contact Us

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