



BUHLE POWER

China solar power with grid backup Buyer





Overview

Will China's energy investment slow in 2025?

While renewable installations are set to continue, investment growth is expected to slow in 2025. In the case of solar PV, investment is even expected to fall back slightly. China achieved its 2030 wind and solar capacity target in 2024, six years ahead of schedule. China's evolving macroeconomic priorities have long shaped its approach to energy investment.

Will planned solar projects lead to continued growth in China's solar capacity?

Planned solar capacity projects will likely lead to continued growth in China's solar capacity. More than 720 GW of solar capacity are in development: about 250 GW under construction, nearly 300 GW in pre-construction phases, and 177 GW of announced projects, according to the Global Solar Power Tracker compiled by Global Energy Monitor.

How much solar power will China add in 2024?

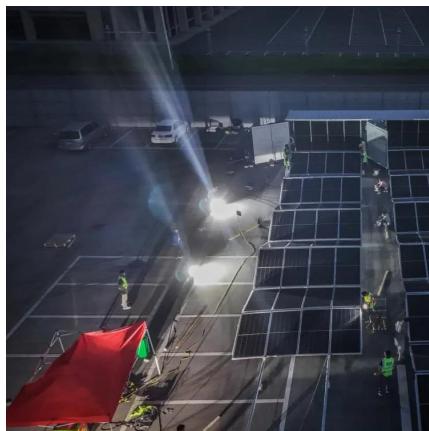
With enhanced national energy security guarantee capacity and green low-carbon development, the China Electricity Council expects the country will add around 250 GW of new solar power capacity in 2024, bringing the total installed capacity to over 850 GW.

What are the main issues with China's energy grid?

Heatwaves and industrial demand spikes have exposed weaknesses in China's grid, such as higher curtailment rates and ineffective transmission to areas of high energy demand in the east. This is partly due to rapid renewable deployment outpacing grid expansion.



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[China's solar capacity installations grew rapidly in 2024](#)

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C: Solar Power

China has led the world in solar power deployment every year since 2015.⁴⁶ In 2021, 53 GW of solar power capacity was added in China--40% of the global total.⁴⁷ At year end, total solar ...



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