



# China Petroleum Solar Power Generation

Will China's largest oil & gas company build a solar-to-hydrogen project?

China's largest onshore oil and gas operator PetroChina has won government approval to build a major solar-to-hydrogen project in the country's northwest China's Gansu province, the first of many such projects to be constructed at the company's existing domestic onshore fields.

Will China's solar power capacity post record growth in 2023?

34 Muyu Xu, "China solar power capacity could post record growth in 2023," Reuters, February 15, 2023; Carrie Xiao, "China adds 61.2GW of solar PV capacity until May this year," PV Tech, last modified June 26, 2023. 35 "China on Track to Blow Past Xi's Clean Power Goal Five Years Early," The Japan Times, last modified June 29, 2023.

What is China's Green Hydrogen Project?

The Project is China's first large-scale utilization of photovoltaic power generation to produce green hydrogen directly.

Does new pumped-storage capacity in China improve wind and solar power?

38 U.S. Energy Information Administration, International Energy Statistics. 39 Katherine Antonio, Jonathan Russo, and Elesia Fasching, "New pumped-storage capacity in China is helping to integrate growing wind and solar power," U.S. Energy Information Administration, August 9, 2023.

Does China have a solar industry?

Today, China has more than 80 percent of the world's solar manufacturing capacity. The extraordinary scale of China's renewables sector output has driven down prices worldwide, and this is a key factor in reducing the cost barrier to renewable systems for poorer countries.

What percentage of China's Electricity is generated by wind and solar?

In 2021, wind and solar combined generated 12% of China's electricity, according to our International Energy Statistics. As wind and solar play an increasingly significant role in China's electricity mix, the surplus energy generated will need to be stored.

The seemingly small amount of power generation from solar and wind reported by the NBS has caused confusion and has led to claims that the performance of wind and solar in China is poor. ... China's power generation mix shifted ...

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