

Wind power plants under construction

How big is China's Wind power?

China's wind capacity follows a similar rate of growth as solar, according to Global Energy Monitor's Global Wind Power Tracker, with over 590 GW in prospective phases -- nearly 530 GW of onshore capacity and 63 GW of offshore capacity.

How much solar and wind capacity is under construction in China?

In total, the amount of utility-scale solar and wind capacity under construction in China make up nearly two-thirds of the solar and wind capacity under construction worldwide, the report found. The report follows the China Electricity Council (CEC)'s predictions from early 2024 that solar and wind capacity would outpace coal in China this year.

How much wind power does China have in 2025?

As of May 2025, China added 46 GW of new wind capacity for the year, bringing the total to 570 GW of operating capacity. A notable project is the Omattingga Wind Farm in Tibet, a 100 megawatt (MW) installation that is the world's highest-altitude wind farm. At 4,650 meters high, it produces about 200 gigawatt hours (GWh) annually.

What is China's largest offshore wind farm?

Among China's iconic projects is the 1.7 GW Yangjiang Shaba III complex in the South China Sea, China's largest deep-sea wind farm. This project alone accounts for nearly 10% of Guangdong Province's total operational offshore wind capacity.

Figure 1 China's wind capacity follows a similar rate of growth as solar, according to Global Energy Monitor's Global Wind Power Tracker, with over 590 GW in prospective phases -- nearly 530 ...

The group consists of announced projects and the ones in the pre-construction phase and under construction. The list comprises solar projects of 20 MW or more and wind projects of at least ...

This information is drawn from GlobalData's Power Plants database, which provides detailed profiles of over 170,000 active, planned and under construction power plants worldwide.

China is building 223 GW of wind power in 2025--nearly 45% of global projects--driven by offshore expansion, grid upgrades, and economic growth.

The largest wind farm construction companies in the world are Iberdrola, NextEra Energy, Ørsted, RWE Renewables, Vattenfall, SSE Renewables, and EDF Renewables.

Almost three-quarters of all solar and wind power projects being built globally are in China, says a new report that highlights the country's rapid expansion of renewable energy sources.

The China Wind Farms Database 2025: Onshore/Offshore Projects Breakdown by Planned, Approved, Under



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Construction, and Operational - ResearchAndMarkets

The project is one of six national wind power megaprojects approved by the Chinese government and began construction in 2009. More than 20 developers are involved in the project ...

China is building two-thirds of new solar and wind projects globally as it is building 180GW of utility-scale of solar generation capacity.

According to the analysis, China currently has 180 gigawatts of utility-scale solar power and 159 gigawatts of wind power under construction. By comparison, the U.S. has 40 gigawatts of ...

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