

PEES Power Systems

New solar power projects in China



Overview

China installed a record 315 GW (AC) of new solar capacity in 2025, lifting cumulative installed PV capacity to 1.2 TW and pushing non-fossil power sources past thermal generation for the first time. China's National Energy Administration (NEA) released its 2025 power sector statistics on Jan. China is rapidly scaling up its solar and wind energy infrastructure, accounting for nearly three-quarters of all utility-scale projects currently. Global solar installations are breaking records again in 2025.

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China's solar capacity installations grew rapidly in 2024

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, ...

China is building 74% of all current solar and wind projects, report says

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.



Nearly Three-Quarters of New Solar and Wind Projects Are Being ...

China is rapidly scaling up its solar and wind energy infrastructure, accounting for nearly three-quarters of all utility-scale projects currently under construction worldwide, according to a

Solar: Top 10 Projects and Companies in China in 2025 and 2024

Explore China's massive solar megaprojects. Learn how gigawatt-scale photovoltaic farms in remote regions are reshaping the global energy landscape.



China Plans to Add Over 200 Million Kilowatts of Wind and Solar Power

Alongside wind and solar, the country will orderly advance major hydropower projects, actively and safely develop nuclear power, and improve the clean and efficient use of fossil fuels, ...

China's giant open-sea solar farm is quietly rewriting its power grid

A separate report describes how China has commissioned the world's largest open sea offshore solar photovoltaic project, a 1 gigawatt installation that is already being compared with typical



China adds 315 GW of solar in 2025 - pv magazine International

China installed a record 315 GW (AC) of new solar capacity in 2025, lifting cumulative installed PV capacity to 1.2 TW and pushing non-fossil power sources past thermal generation for the ...



China Wind & Solar brief July 2025

China is fast-tracking a 1.3 TW pipeline of utility-scale solar and wind projects. Of this, 510 GW is already under construction, primed to be added to China's 1.4 TW solar and wind capacity already in operation.



H1 2025: China installs more solar than rest of the ...

Solar surged 64% in H1 2025 with 380 GW added worldwide, led by China's record pace, keeping 2025 on track for new highs.

China Adds 315 GW of Solar Capacity in Record-Breaking 2025

China set records in 2025 with 315 GW

of new solar and 119 GW of wind, pushing renewables past fossil fuels in total installed power capacity.



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