



# China s solar power generation ranks first in the world





## Overview

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Solar surged 64% in H1 2025 with 380 GW added worldwide, led by China's record pace, keeping 2025 on track for new highs. In H1 2025, the world added 380 gigawatts (GW) of new solar capacity – a staggering 64% jump compared to the same period in 2024, when 232 GW came online. China was responsible for installing a massive 256 GW of that solar capacity. For context, it took until September last year to pass the 350 GW. In the first six months of 2025 alone, China installed new solar systems with a total capacity of 210 GW (210,000 MW). “I'm firmly convinced that the month-on-month decline in PV product exports will not be a long-term. As of 2024, China was responsible for 64 percent of the world's utility-scale solar and wind construction, with 339 gigawatt hours of renewable energy infrastructure in the works, even though it only has around 17 percent of the planet's population. To put that in perspective, at that point the. China's installed solar power capacity is projected to surpass coal-fired capacity for the first time this year, marking a major milestone in the country's energy transition and reinforcing its status as the world's largest renewable energy market. According to the 2025–2026 National Power Supply.



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### China continues to lead the world in wind and solar, with twice as ...

Nearly half of the distributed solar added in 2023 was installed on residential rooftops, largely driven by China's "whole county solar" model. Distributed solar accounts for 41% of the total ...

### China's Wind, Solar Power Installed Capacity Exceeded 1,800 GW for

China has been the largest global market for wind and solar power for many years, having built the world's most complete industrial chain layout. Its output and exports of products such ...



### Global solar installations surge 64% in first half of 2025

China remains the global leader of this surge. In the first half of 2025, its installations more than doubled compared with the same period last year. As a result, China added more than twice as ...



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

In the first half of 2025, the country installed more than twice as much solar capacity as the rest of the world combined, accounting for 67% of global additions.



### [China Photovoltaic \(PV\) Industry Ranks First in Globe](#)

China's photovoltaic industry absolutely ranks first in the globe in terms of not only market size, technology level, production and manufacturing, but also completeness of the industrial chain.

### **China's Solar Power Capacity on Course to Surpass Coal This Year**

China's solar generating capacity is expected to surpass coal for the first time this year, according to the country's top electricity industry group, marking a milestone in the country's



### **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 Becomes the First Country in**



## the World to Surpass 1,000 GW of

With the addition of 210 GW of solar power in the first half of 2025, China's total installed photovoltaic capacity has already reached 1,100 GW. For the first time, a country has surpassed the 1,000 GW ...



## The Amount of New Solar Power Production Capacity China Is

China's solar energy production is reaching simply staggering levels, dragging energy costs down around the globe.

## China Nears Historic Power Shift as Solar Overtakes Coal in 2026

China has remained the world's largest market for wind and solar power for many years and has built a comprehensive industrial supply chain spanning photovoltaic modules, wind turbines, ...





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