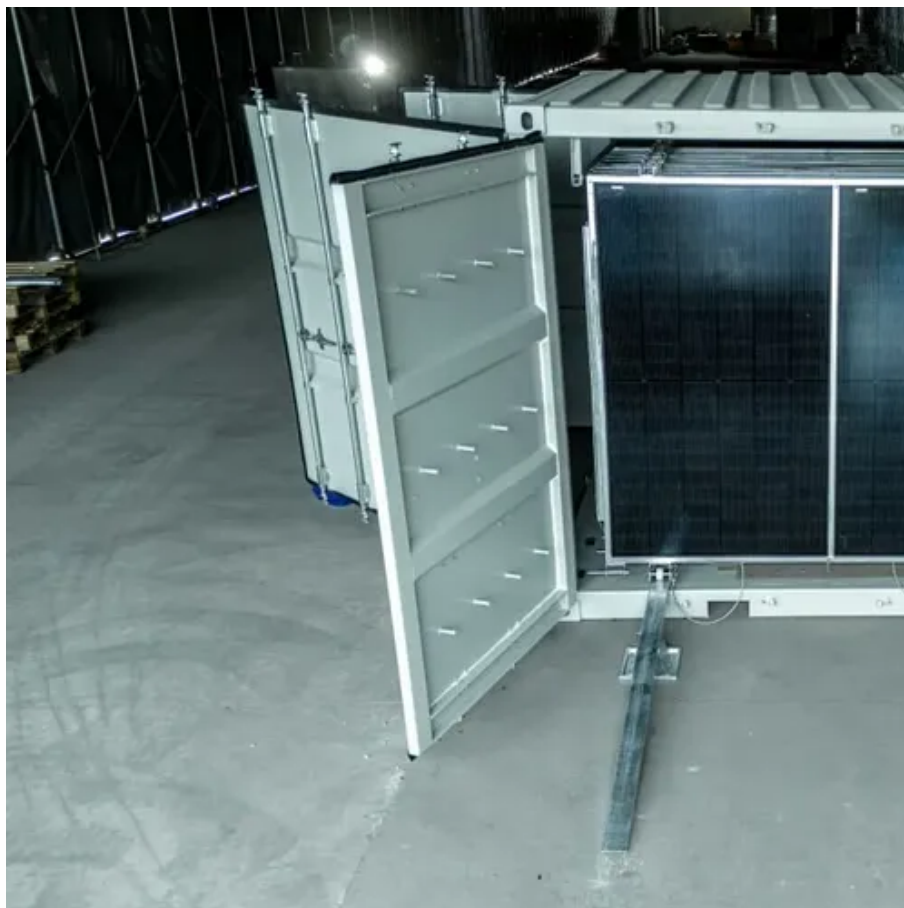




# China s solar power generation installed capacity





## Overview

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The NEA's latest figures showed that as of the end of May 2025, China's total installed power generation capacity stood at 3,610 GW, up 18. Utility-scale solar power capacity in China reached more than 880 gigawatts (GW) in 2024, according to China's National Energy Administration. China has more. Global solar installations are breaking records again in 2025. 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. 91% of December's added capacity came from zero-emissions sources, t 8. [3] China's. An aerial drone photo taken on July 29, 2025 shows photovoltaic panels at the site of a desertification control project integrated with wind and solar power facilities in Horqin Right Wing Middle Banner of Hinggan League, north China's Inner Mongolia Autonomous Region.



## China's solar power generation installed capacity



### [China's installed power generation capacity up 17.5%](#)

Solar power generation capacity amounted to 1.13 billion kilowatts by the end of last month, surging 45.7 percent compared to the same period last year, according to the National ...

### **Chinese PV Industry Brief: China's solar capacity rises to 1.11 TW by**

The National Energy Administration (NEA) said China's installed power generation capacity reached 3.67 TW by the end of July, up 18.2% year on year. Solar capacity stood at 1.11 ...



### [China adds 198 GW of solar in Jan-May, surpasses 1 TW total](#)

The NEA's latest figures showed that as of the end of May 2025, China's total installed power generation capacity stood at 3,610 GW, up 18.8% from a year earlier. Solar PV was the ...

### [Solar leads growth in China's power generation capacity](#)

As of the end of 2025, China's total installed power generation capacity reached 3.89 billion kilowatts (kW), a year-on-year increase of 16.1 percent. Solar energy was the standout ...

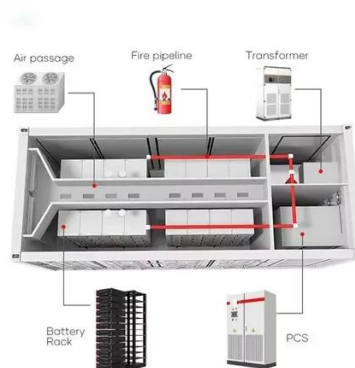


### Solar power in China

In 2020, China saw an increase in annual solar energy installations with 48.4 GW of solar energy capacity being added, accounting for 3.5% of China's energy capacity that year. 2020 is currently the ...

### Solar energy in China

So there is a lot of uncertainty in the Chinese solar industry, but there are also irrefutable facts: China needs to continue to expand domestic solar capacity to reach its climate



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

Wind and solar power surpassed thermal power in terms of installed capacity for the first time ever in the first quarter of last year. As of March. 31, 2025, China's installed capacity of wind and ...

## MONTHLY CHINA ENERGY UPDATE .



## February 2025

In CY2024, China hit a new record of annual net new capacity added to the grid at 429GW, a 21% y-o-y increase. Of this, wind and solar power combined capacity accounted for 83% at 356.5GW, dwarfing ...



## China's solar capacity installations grew rapidly in 2024

The 277 GW of utility-scale solar capacity installed in China in 2024 alone is more than twice as much as the 121 GW of utility-scale solar capacity installed in the United States at the end of ...

## **H1 2025: China installs more solar than rest of the world combined**

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 mark. This year, the milestone was achieved in



## **Solar power in China**

OverviewHistorySolar resourcesSolar photovoltaicsConcentrated solar powerSolar water heatingEffects on the global solar power industryGovernment incentives

Photovoltaic research in China began in 1958 with the development of China's first piece of monocrystalline silicon. Research continued with the development of solar cells for space satellites in 1968. The Institute of Semiconductors of the Chinese Academy of Sciences led this research for a year, stopping after batteries failed to operate.



Other research institutions continued the development and research of sola...



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