

# Installed capacity of solar power generation enterprises

What is solar electricity capacity?

Solar electricity capacity includes solar photovoltaic and solar thermal capacity, and distributed solar capacity where available. Official statistics by year of solar electricity installed capacity (GW). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality.

How much solar capacity does China have?

China leads global utility-scale solar capacity for projects in announced, pre-construction, and construction phases. According to Global Energy Monitor's Global Solar Power Tracker, China has over 709 GW of prospective solar capacity, representing over one-third of planned solar capacity worldwide in 2025.

How much solar power did the US install in 2024?

EIA reported that the United States installed 36.2 GW of PV in 2024--up 34% y/y. SEIA reported that the United States installed 50.0 GW of PV in 2024--up 21% y/y. At the end of 2024, solar was the second-largest source of U.S. generation capacity, though still a growing percentage of the U.S. electric generation mix.

How big is China's solar power pipeline?

China is advancing a nearly 1.3 terawatt (TW) pipeline of utility-scale solar and wind capacity, leading the global effort in renewable energy buildout. This is in addition to China's already operating 1.4 TW of solar and wind capacity, nearly 26% of which (357 gigawatts (GW)) came online in 2024.

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The installed capacity of solar power soared 55 percent year-on-year to 660 million kilowatts, while wind power rising 21.5 percent to about 460 million kilowatts, it said.

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility ...

World installed 380 GW of new solar capacity in first six months of 2025 Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 ...

According to the "2025-2026 National Power Supply and Demand Analysis and Forecast Report" released by the China Electricity Council on Monday, the combined capacity of wind and ...

Cumulative installed solar capacity, measured in gigawatts (GW).

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Solar and wind energy continued to dominate renewable capacity expansion, jointly accounting for 96.6% of all net renewable additions in 2024. And 2024 marks the highest annual increase in ...

Solar photovoltaics is one of the most cost-effective technologies for electricity generation and therefore its use is growing rapidly across the globe. Global solar photovoltaic ...

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