

20GW of solar power stations put into operation

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How much solar capacity did the world add in 2025?

In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher than during the same period in 2024, when 232 GW were installed. In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June.

When will solar power reach 350 GW?

In 2024, it took until September for global solar capacity additions to surpass 350 GW, while in 2025, the milestone was reached in June. The rapid expansion of solar capacity in recent years has made it the fastest growing source of new electricity generation.

Will planned solar projects lead to continued growth in China's solar capacity?

Planned solar capacity projects will likely lead to continued growth in China's solar capacity. 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, according to the Global Solar Power Tracker compiled by Global Energy Monitor.

How much solar capacity will China have 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 2024. Planned solar capacity projects will likely lead to continued growth in China's solar capacity.

Explore Japan's 20GW perovskite super solar panel--matching 20 reactors with clean, efficient power for 6M homes and a greener future.

Africa has passed a symbolic 20 gigawatt-peak (GWp) solar capacity milestone, with momentum building as more than 10 GWp of new capacity is in the pipeline, according to the Africa ...

In January alone, Chinese companies unveiled, signed or broke ground on more than 20 major solar projects across the country. These include gigawatt-scale PV power plants in arid ...

Renewables 2024 - Analysis and key findings. A report by the International Energy Agency.

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The 20 megawatt (MW) solar power tower produces electricity with large movable mirrors called heliostats. Construction of PS20 was started in 2006 and it commenced operation in 2009. It ...

Discover the world's biggest operational solar farms and the mega projects set to reshape tomorrow's renewable energy landscape.

Discover the world's largest solar farms in 2025. Complete rankings, capacity data, locations, and analysis of mega solar projects transforming global energy.

Africa has reached solar power capacity crossing 20 gigawatts (GW) across the continent. According to the Africa Solar Industry Association (AFSIA), another 10 GW is already ...

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 ...

Note: NEA considers utility-scale solar to include projects of at least six megawatts of installed alternating current capacity. Utility-scale solar power capacity in China reached more than ...

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