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Title: Current global solar power generation share

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How has solar impacted global power generation?

Regarding global power generation, solar nearly doubled its share over the past 3 years, growing by 1.3 percentage points only last year to a 7% share in the world's electricity mix. This growth continued to drive renewable penetration and pushed additions of conventional electricity sources to a new low.

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.

Are global solar installations on track for another record year?

Global solar installations are on track for another record year. 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.

Which country has the most solar power in 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 much solar capacity as the rest of the world combined, making up 67% of the global total.

The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic (PV) and solar thermal facilities, as well as country-aggregated distributed (<1 ...

Policymakers in some of the world's largest economies are reducing support for solar power generation. Even so, Goldman Sachs Research expects rapid growth in the sector, with global ...

The year 2024 was a true landmark year for solar power. Global solar installations reached nearly 600 GW - an impressive 33% increase over the previous year - setting yet another ...

Share of electricity production from solar, 2025 Measured as a percentage of total electricity produced in the country or region.

Solar generation reaches new high Global solar power generation rose by 30% in 2024, exceeding 2,000 terawatt-hours (TWh). In absolute terms, solar growth reached 475 TWh, which is ...

Discover all statistics and data on Global solar energy outlook now on statista !

The present review study, through a detailed and systematic literature survey, summarizes the world solar energy status along with the published solar energy potential assessment articles for ...

The world generated 2,109.76TWh of electricity from solar in the first nine months of the year, a 31% increase over the same period in 2025.

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 ...

Solar power generation, 2025 Electricity generation from solar, measured in terawatt-hours.

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