

Solar panels power generation in the United States





Overview

Is solar power the future of electricity generation?

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration's (EIA) latest release of its Electric Power Monthly report with data through March 2025.

Is solar energy booming in the United States?

Solar energy in the United States is booming. Along with our partners at Wood Mackenzie Power & Renewables, SEIA tracks trends and trajectories in the solar industry that demonstrate the diverse and sustained growth of solar across the country. Below you will find charts and information summarizing the state of solar in the U.S.

What percentage of US electricity is generated by solar?

Solar's share of U.S. electricity generation has risen from less than 0.1% in 2010 to nearly 8% today. Solar has grown to play an increasing role in many states, now making up more than 20% of electricity production in four states.

Which states have the largest solar power capacity in 2024?

In the second quarter of 2024, it had a cumulative solar PV capacity of more than 48 gigawatts. Outside of California, Texas, Florida, and North Carolina were the states with the largest solar PV capacity. In recent years, solar power generation has seen more rapid growth than wind power in the United States.



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Renewable Energy Pillar

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U.S. solar power generation 2024, Statista

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A Decade of U.S. Solar Growth

Apr 3, 2024 · The U.S. produced more solar power in 2023 than ever before - part of a decade-long growth trend for renewable energy.

U.S. solar power generation 2024, Statista

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