



What solar power is available in the United States





Overview

Solar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt-hours (TWh) in the United States. Total solar generation that year, including estimated small-scale. We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. Michael is the CEO of Cleanview. His reporting on clean energy and data centers has been cited in The New York Times, Wall Street Journal, and hundreds of other publications. 18 trillion kilowatt-hours of total electricity at utility-scale power generation facilities, with renewable energy sources contributing roughly 21% of this total and solar power making up 3. Since 2010, solar power capacity in the United. Utility-scale solar posts record growth in 2024; projected to supply most of the nation's increase in electricity generation in 2025 and 2026 The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid.



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Solar Energy

On this page you'll find resources to learn what solar energy is; how you, your business, or your community can go solar; and find resources for every step of the way.

Residential solar market in the U.S.

Discover all statistics and data on U.S. residential solar photovoltaics now on statista !



Solar Capacity by State 2026

This report summarizes the latest statistics on solar power capacity by state and highlights the top U.S. states in solar power generation.

Is Solar Power Still Growing in the United States?

In the USA, Texas and California use the most solar power. They are expected to account for almost half of the new utility-scale capacity additions in 2025. Other states that are ...



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Solar energy on the rise in America

The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid, accounting for 61% of new ...

Solar State By State - SEIA

Explore the latest solar market insights and policy updates in all 50 states and Washington, D.C. All market data is current through Q3 2025. California leads as the top solar state. With over 54 GW of ...



US Solar Farm Map

Explore the largest solar farms in the US and see all the utility-scale solar projects in the US on a map. Michael is the CEO of Cleanview. His reporting on clean energy and data centers has been cited in ...

Solar power in the United States



Solar power in the United States Solar panels on a rooftop in New York City Community solar farm in the town of Wheatland, Wisconsin [1] Solar power includes solar farms as well as local distributed ...



The U.S. Large-Scale Solar Photovoltaic Database

The United States Large-Scale Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U.S. photovoltaic (PV) facilities with capacity of 1 megawatt or more. It includes ...

[Solar power generation drives electricity generation growth over the](#)

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...





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