



# State Hanergy Solar Power Generation

A new report tracks how renewable energy is transforming the nation's electricity mix, state by state.

Data from 2007 through 2024. Source: Berkeley Lab, Utility-Scale Solar Data Update 2025

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

The State of Renewable Energy dashboard tracks progress in solar, battery energy storage, wind, and EV adoption across the 50 states.

How Is Solar Energy Measured? Why Is Solar Becoming More Popular? How Do Solar Panels Work? The cost of residential solar panels has fallen by 40% in the last decade, according to the Solar Energy Industries Association. Decreasing prices combined with federal and state incentives have led to an increase in the popularity of home solar panels. Federal, state, and local governments have also set varying renewable energy goals, encouraging ... See more on [chooseenergy.lbl.gov](https://www.chooseenergy.lbl.gov) Capacity and Generation by State | Energy Markets Data from 2007 through 2024. Source: Berkeley Lab, Utility-Scale Solar Data Update 2025

California leads as the top solar state. With over 54 GW of solar installed, enough energy to power over 15 million homes. Texas has the fastest growing solar economy with the largest utility-scale solar and ...

We've rounded up the best and worst states for solar energy to give you an idea of solar energy trends across the U.S.

To find the states that rely most on the sun, the research team at Wolf River Electric, a leading electrical and solar installation company, looked at each state's total electricity production ...

The following table ranks the best and worst states for solar energy production (shown in thousand megawatt-hours) in October and November, number 1 represents the best state for solar ...

Below is a breakdown of solar capacity development and generation trends in key U.S. states. TOP 5. California remains the top state in terms of solar generation capacity, with just over ...

Solar energy progress by state including capacity, infrastructure, and economic statistics.



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