

Solar energy by state





Overview

Which states generate the most solar energy?

California once again takes first place among the top states generating electricity from solar power this month. The Golden State produced 23.2% of the United States' total of 35,440 thousand megawatt-hours, according to ChooseEnergy.com's July 2025 solar energy generation report.

Which state has the most solar-powered homes?

The state with the most solar-powered homes: Nevada has 426 homes per 1000 households powered by solar. Most affordable state for solar energy: Hawaii solar installation costs account for 12.40% of the state's median household income. 1. California California came in as the best state for solar energy for good reason.

How much solar power does California have?

Solar power capacity is steadily expanding throughout the United States, as more than half of the states now boast 1 gigawatt (GW) or greater of installed solar. California has set an ambitious goal of achieving 100% clean energy by 2045. The state has been at the forefront of renewable energy generation and solar power generation in particular.

What percentage of State Electricity is generated by solar energy?

In 2022, solar energy contributed 19% of the state's utility-scale electricity net generation. When adding small-scale generation, solar energy accounted for 27% of the state's total electricity generation. The solar industry employs more than 78,000 throughout the state.

Which states are the best for solar?

California is one of the best states for solar in the USA right now, with a high adoption rate and a high solar interest. It has over 32,394 MW of installed solar capacity and can power more than 8.4 million homes with renewable



energy. Texas is the second-best state for solar power.

How much solar energy does Texas generate?

When adding small-scale generation, solar energy accounted for 27% of the state's total electricity generation. The solar industry employs more than 78,000 throughout the state. Texas has become one of the leading states in both solar energy potential and solar power generation.



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[Top Five States for Solar Power Generation Across India](#)

The southern state of Tamil Nadu has immense renewable energy potential, with access to sources such as wind, solar, biomass, biogas, hydropower, etc. Tamil Nadu holds the fourth position in India with an installed ...

[A Homeowner's Guide to Solar by State](#)

A Homeowner's Guide to Solar by State Welcome to Solar by State, your ultimate homeowner's guide to going solar in MD, VA, DC, NJ, PA, DE, or FL. As solar energy becomes increasingly accessible and affordable, more and more ...



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