

The state provides solar power generation



Overview

California leads as the top solar state. With over 54 GW of solar installed, enough energy to power over 15 million homes. All market data is current through Q3 2025. 4% of the United States' total of 24,519 thousand megawatt-hours, according to ChooseEnergy. 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.

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[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.



[Top U.S. states in solar PV capacity 2025. Statista](#)

California has by far the greatest installed capacity of solar photovoltaic (PV) power of any U.S.



[Solar State By State - SEIA](#)

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 ...

[Solar Energy Generation by State Report February 2026](#)

California once again takes first place among the top states generating electricity from solar power this month. The Golden State produced 21.4% of the United States' total of 24,519 thousand ...



[Renewable Energy Production and Use by State in 2026 . The Motley Fool](#)

Which states generate and use the most renewable energy? These stats show renewable energy by state and will answer your questions.



[The 50 States of Solar: States Delve into Distributed Generation](#)

Maine policymakers enacting several changes to the state's net energy billing program. "As solar deployment continues across the country, decision-makers aimed to advance consumer ...



[The top US states for renewable power generation capacity](#)

In terms of total renewable energy capacity at the utility level, Iowa and New Mexico come out on top and are the only states that boast more than 50% of utility-scale generation capacity from ...



[Solar Energy Generation by State Report February 2026](#)

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[What are the Best States for Solar Energy? \[2026 Statistics\]](#)

Find out which states are leading the way in solar electricity generation, and why they're doing so well while some other states fail to meet their potential.

[Chart: Which US states generate the most solar and... , Canary Media](#)

Nevada and California are among the states with the highest share of utility-scale solar generation as a percent of their overall electricity mix -- 23 % and 19 %, respectively.



[Which State Generates The Most Solar Power?](#)

Which state currently generates the most solar power? California leads the nation by a significant margin, producing more than 30% of all U.S. solar electricity.



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