



# Ranking of domestic solar power generation bases

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Discover which U.S. state generates the most solar power and how solar capacity varies nationwide.

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.

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.

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.

In a dozen states, wind and solar could account for more than 80 % of capacity, with New Mexico, Vermont, Virginia and Wyoming potentially crossing the 90 % threshold.

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

Over the next decades, solar energy power generation is anticipated to gain popularity because of the current energy and climate problems and ultimately become a crucial part of urban infrastructure.

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

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 ...

Solar State By State 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.

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