



# State s solar power

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

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

Discover the best states for solar power production in the country with our February Solar Energy Generation Report. Where does your state rank?

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

OverviewSolar photovoltaic powerSolar potentialHistoryConcentrated solar power (CSP)Government supportSee alsoFurther readingIn the United States, 14,626 MW of PV was installed in 2016, a 95% increase over 2015 (7,493 MW). During 2016, 22 states added at least 100 MW of capacity. Just 4,751 MW of PV installations were completed in 2013. The U.S. had approximately 440 MW of off-grid photovoltaics as of the end of 2010. Through the end of 2005, a majority of photovoltaics in the United States was off-grid.

Chart: Which US states generate the most solar and wind energy? A new report tracks how renewable energy is transforming the nation's electricity mix, state by state.

[3] The United States conducted much early research in photovoltaics and concentrated solar power. It is among the top countries in the world in electricity generated by the sun and several of the world's ...

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

This article explores the top 10 solar states, details the key factors, and the combination of elements that make a state a solar leader.

These rankings highlight the dynamic landscape of solar energy development across the United States, with each state implementing a combination of policies and incentives to drive solar ...

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 ...



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