



# Solar power generation nationwide

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OverviewSolar potentialHistorySolar photovoltaic powerConcentrated solar power (CSP)Government supportSee alsoFurther readingSolar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt-hours (TWh) in the United States. Total solar generation that year, including estimated small-scale photovoltaic generation, was 303.8 TWh. As of the end of 2024, the United States had 239 gigawatts (GW) of installed photovol...

Find up-to-date statistics and facts on the solar photovoltaic industry in the United States.

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information ...

Solar and wind accounted for 91% of new US electrical generating capacity added in the H1 2025, according to data just released by the Federal ...

On the good side, solar continued its run of astonishing growth, generating 35 percent more power than a year earlier and surpassing hydroelectric power for the first time.

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

The United States is adding 86 gigawatts of new power capacity in 2026, nearly double the previous year's total, according to data from the Energy Information Administration. Solar, wind, and ...

In the first nine months of 2025, more than three-quarters of the electrical generating capacity added in the United States was solar power, ...

American Solar Deployment Grows at Record Pace Solar has seen massive growth since 2010. There are now



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262 gigawatts direct-current of solar capacity installed nationwide, enough to power 45 ...

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