

Title: Annual solar power generation record

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Developers have already installed 12 GW in the first half of the year, with another 21 GW planned before year-end. If achieved, this would mark 33 GW of solar capacity additions in a single ...

The previous editions and complete electricity generation and capacity dataset from 2000 onwards are available for download on the Data and Statistics web pages.

Change in energy generation relative to the previous year, measured in terawatt-hours and using the substitution method.

The commercial solar segment installed 2,118 MWdc in 2024, setting an annual record with 8% year-over-year growth. Strong deployments in California, Illinois, New York, and Maine ...

Solar has seen massive growth since 2010. There are now 262 gigawatts direct-current of solar capacity installed nationwide, enough to power 45 million homes. In the last decade, solar deployments have ...

These power production records (all of which are current through April 17) are the direct result of a rapid capacity buildout. According to the Energy Information Administration (EIA), the U.S. ...

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...

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