



# Data about solar power generation

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In this article, with the help of charts and key statistical data, we reveal the latest solar power statistics that demonstrate how the industry has grown so far, and the outlook and potential for the future.

Almost 70 gigawatts (GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity compared with ...

The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic (PV) and solar thermal facilities, as well as country-aggregated distributed (<1 MW) solar PV data.

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector. The focus is on ground-mounted systems larger than 5M AC, including photovoltaic (PV) standalone ...

Solar Generation as a Percentage of Total Generation, 2014-2024 In addition to the 11 states generating more than 10% of their electricity from solar in 2024, another eight states and territories ...

The latest government data discusses U.S. solar energy capacity, efficiency, and available homeowner tax credits as well as renewable energy trends.

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for 2022-2023.

These statistics showcase the current capabilities of solar technology, from panel efficiency rates and lifespan to emerging innovations in hybrid systems and energy storage, demonstrating how ...

Find up-to-date statistics and facts on the global solar photovoltaic industry.



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This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this document.

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