

# Solar power generation annual data report



## Overview

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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. In 2024, the US solar industry installed nearly 50 gigawatts direct current (GWdc) of capacity, a 21% increase from 2023. Solar accounted for 66% of all new electricity-generating capacity added to the US grid in 2024, as the. This publication presents renewable energy statistics for the last decade (2015-2024). You can find more about Ember's methodology in this. The latest update contains project-level data on 1,760 solar projects installed through 2024. The update includes data synthesis covering: These data are made available in several formats, including: In addition, plant-level hourly generation and annual value estimates are available for download at. EnergySage released its 21st EnergySage Solar & Storage Marketplace Report, which analyzes millions of transaction-level data points from homeowners shopping on EnergySage. com for solar panels, inverters, batteries, and more, from solar companies in all 50 states and Washington, D.

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### 2026 Solar Industry Data and Insights , EnergySage

EnergySage released its 21st EnergySage Solar & Storage Marketplace Report, which analyzes millions of transaction-level data points from homeowners shopping on EnergySage for solar panels, ...

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### Solar Market Insight Report - SEIA

US Solar Market Insight is a quarterly publication of Wood Mackenzie and the Solar Energy Industries Association (SEIA).

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### U.S. Utility-Scale Solar, 2025 Data Update

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector.

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### Renewable energy statistics 2025

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### Solar power generation, 2025

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 ...

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### Solar Industry Research Data - SEIA

American Solar Deployment Grows at Record Pace Solar has seen massive growth since 2010. There are now 262 gigawatts direct-current of solar capacity installed nationwide, enough to power 45 ...

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### Renewables 2025 - Analysis

Renewables 2025 is the IEA's main annual report on the sector. It presents the latest forecasts and analysis, based on recent policy and market developments, while also exploring key

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## Solar Market Insight Report 2024 Year in Review

Our annual Year in review report includes a 10-year outlook for every segment. We expect cumulative US solar capacity to more than triple from 236 GWdc installed at year-end 2024, to 739 GWdc ...

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## Global Market Outlook for Solar Power 2025-2029

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar's share rose to 7% in ...

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## Renewable & Alternative Fuels

State Energy Data System Includes annual state-level data for energy production, consumption, prices, and

expenditures by fuel and sector, including renewable energy categories such as biofuels, wind, ...

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