



Regional solar power generation capacity



Overview

Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. The American Public Power Association is the voice of not-for-profit, community-owned utilities that power approximately 2,000 towns and cities nationwide. Ranking 2nd in the nation, Texas has 48.2 GW installed and is expected to continue to grow. The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy. Explore solar resource data via our online geospatial tools and downloadable maps and data sets. [org/renewable-energy](https://www.irena.org/renewable-energy) | CC BY Figures are based on gross generation and do not account for cross-border electricity supply. Energy. This page provides current information on Generation Resources, including forecast and actual generation for Wind and PhotoVoltaic (Solar) Generation Resources; Resource Outages; Reliability Unit Commitment (RUC) constraints; Reliability Must Run (RMR) Resource deployments; Fuel Type; and aggregate.



Article Content

Solar Capacity by State 2026

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

Solar power generation drives electricity generation growth over the ...

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 ...

Solar Resource Data, Tools, and Maps | Geospatial Data Science | NLR

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Solar energy generation by region

Depending on the data, this can include standardizing country names and world region definitions, converting units, calculating derived ...

Renewable energy statistics 2025

Newsletter The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 ...

Solar State By State - SEIA

Texas has the fastest growing solar economy with the largest utility-scale solar and energy storage projects in the nation. Ranking 2nd in the nation, Texas has 48.2 GW installed and is expected to ...

Generation

View data on DC ties, generation outages, resource plan details and scheduled generation, and find forms to submit generation and outage data/requests.

America's Electricity Generation Capacity, 2025 Update

Tables 5.1-5.4 show future generation capacity by regional transmission organization (RTO). A significant plurality of the capacity proposed and under construction is slated to be constructed in non ...

Capacity and Generation by State | Energy Markets

A U.S. Department of Energy National Laboratory Managed by the University of California

Solar power in the United States

In the first half of 2025, solar and wind together accounted for 91% of all new U.S. power generating capacity, continuing solar's dominance as the largest source ...

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