



Solar photovoltaic power generation quota



Overview

Photovoltaic (PV) solar accounted for 58% of all new electricity-generating capacity additions through the third quarter of 2025, remaining the dominant form of new electricity-generating capacity in the US. NM = Not meaningful due to large relative standard error or excessive percentage change. Notes: See Glossary for definitions. See Technical Notes for a discussion of the sample design for the Form EIA-923. 7 gigawatts direct current (GWdc) of capacity in Q3 2025, a 20% increase from Q3 2024, a 49% increase from Q2 2025, and the third largest quarter for deployment in the industry's history. Following a low second quarter, the industry is ramping up as the end of. The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. 3 GWac) of energy storage onto the electric grid in Q1/Q2 2024—its largest first half on record. Though thin-film PV represented around 3% of global PV deployed from 2015 through 2023, it accounted for more than 17% of U.



Article Content

Photovoltaic Geographical Information System (PVGIS)

PVGIS is a free web application that allows the user to get data on solar radiation and photovoltaic system energy production, in most parts of the world.

Electric Power Monthly

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods ...

Solar photovoltaic industry in the U.S.

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

Fall 2024 Solar Industry Update

In 2023, approximately 45% of battery capacity and 26% of utility-scale PV capacity were hybrid PV/BESS projects—relatively consistent with previous years. The third-party ownership share of U.S. ...

Solar Market Insight Report Q4 2025

Photovoltaic (PV) solar accounted for 58% of all new electricity-generating capacity additions through the third quarter of 2025, remaining the dominant form of new electricity-generating ...

Solar (photovoltaic) panels cumulative capacity, World

Solar photovoltaic (on-grid) electricity installed capacity, measured in gigawatts. The renewable power capacity data represents the maximum net ...

Executive summary – Renewables 2025 – Analysis

The increase in solar PV capacity is set to more than double over the next five years, dominating the global growth of renewables. Low costs, faster permitting ...

Photovoltaics Report

In 2024, PV accounted for 14.5% of net electricity generation and all renewable energies for around 62%. In 2024 GHG emissions of about 51 million tons CO2 equivalents were avoided due to 74 TWh ...

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 ...

US adds 11.7GW solar PV in Q3, 4.7GW manufacturing ...

Despite the surge in solar PV installations in Q3 2025, which represented 58% of all new electricity-generating capacity added to the US grid ...

Contact Us

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