



Summary of monthly report on solar power generation construction





Overview

In the third quarter of 2025, solar projects representing about 20% of planned capacity reported a delay, a decrease from 25% in the same period in 2024, based on data compiled from multiple Preliminary Monthly Electric Generator Inventory reports. Executive Summary Global PV Deployment • In 2024, between 554 GW dc and 602 GW dc of PV were added globally, bringing the cumulative installed capacity to 2.2 TW dc • China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. Solar power is the fastest-growing source of new. Receive vital solar and meteorological events for performance impact in detailed monthly PDFs that contain data and maps. Analyze Global Horizontal Irradiation (GHI), Global Tilted Irradiation (GTI), embrace cold temperatures for efficiency and harness precipitation's dual impact on GHI and PV. In 2024, the US solar industry installed nearly 50 gigawatts direct current (GWdc) of capacity, a 21% increase from 2023. This was the second consecutive year of record-breaking capacity. The focus is on ground-mounted systems larger than 5M AC, including photovoltaic (PV) standalone and PV+battery hybrid projects (smaller projects are covered in Berkeley Lab's. Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024).



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Fewer U.S. solar projects are reporting delays in their expected online

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Solar Market Insight Report Q4 2025

As new development opportunities for traditional community solar continue to decline, community solar developers report increased interest in exploring community-scale solar and storage ...



[Renewable electricity - Renewables 2025 - Analysis](#)

Since solar PV and onshore wind are the cheapest technology options to add new power generation in China, facilities were receiving 15- to 20-year contracts at provincial coal benchmark prices and very ...



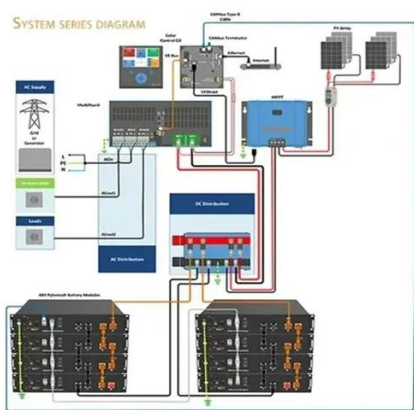
Winter 2025 Solar Industry Update

More than 500 GWdc of PV are expected to be installed in 2025. At the end of 2024, China and the U.S. had collectively installed more than 1 TWdc of PV. In 2024, wind and solar ...



[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.



Short-Term Energy Outlook

We forecast small-scale solar PV capacity using historical monthly data of small-scale capacity reported in our Monthly Electric Power Industry Report.



Quarterly Solar Industry Update

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.



[Solar Market Insight Report 2024 Year in Review](#)



As in every Year in review report, our team of analysts modeled alternative scenarios that include several policy and economic factors that will drive solar development in the US.



Spring 2025 Solar Industry Update

o At the end of 2024, solar was the second-largest source of U.S. generation capacity, though still a growing percentage of the U.S. electric generation mix. o In 2024, solar represented ...

Solargis Monitor , Monthly reports

Solargis provides monthly reports offering timely, accurate solar and weather insights for effective PV power plant management and performance analysis.





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