# Current status of solar power plants

## 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. Solar power is the fastest-growing source of new. In 2024, between 554 GWdc and 602 GWdc of PV were added globally, bringing the cumulative installed capacity to 2. China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. The IEA reported Pakistan's rapid rise to. 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. 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. In the third quarter of 2025, about 20% of planned US solar power capacity experienced delays—down from 25% a year earlier, signaling improving project timelines, according to the US Energy Information Administration.

## Article Content

Solar Power''s Future in the U.S. May Be in Jeopardy

Solar plants are touted to operate for around 25 years — half the time or less that fossil fuel or nuclear plants operate. The Ivanpah solar plant in California — touted to be the largest of its ...

Spring 2025 Solar Industry Update

As the energy crisis fueled by Russia''s invasion of Ukraine has subsided, demand for residential solar systems in the EU has declined and several residential solar incentive schemes ...

Major Solar Projects List

The Major Solar Projects List is a database of all ground-mounted solar projects, 1 MW and above, that are either operating, under construction or under development. The list is for ...

Solar energy status in the world: A comprehensive review

It examines the current state of solar power and related academic solar energy research in different countries, aiming to provide valuable guidance for researchers, designers, and policymakers ...

US Solar Project Delays Decline as Capacity Growth ...

Most current delays occur during the final construction or testing phases and last only a month or two. Looking ahead, developers plan to add 32 ...

Global Solar Power Tracker

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 ...

Quarterly Solar Industry Update

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

Global solar energy outlook

In the last few years, solar energy has been the main driver for renewable energy growth worldwide. In 2024, solar photovoltaic capacity ...

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

Delays in solar project schedules tend to be relatively short in duration, and reports of delays are more common than cancellations: less than 1% of planned solar capacity is entirely ...

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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