

Global status of solar power generation installed capacity



Overview

The Trends Report analyses how the photovoltaic sector developed over the past year from a global perspective.

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Installed solar energy capacity

Download the data shown in this chart as a ZIP file containing a CSV file, metadata in JSON format, and a README. The CSV file can be opened in

[2026 Global Risks Report: Environmental risks remain urgent](#)

Environmental risks continue to rank among the most severe global threats, according to the 2026 Global Risks Report, though the sense of urgency varies across short-, medium-, and long



[Global solar installations surge 64% in first half of 2025](#)

Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 GW of new solar capacity - 64% higher than during the same period in

Renewable electricity - Renewables 2025 - Analysis

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes



[Global Cybersecurity Outlook 2026 , World Economic Forum](#)



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



[Solar accounted for 70% of new global power capacity in 2024](#)

A new IEEE report shows solar dominated new generation in 2024, with 70% of added global capacity from PV and record installations in China and the United States.



[Global installed photovoltaic capacity exceeds 2,260](#)

The Global Cybersecurity Outlook 2026, written in collaboration with Accenture, examines the cybersecurity trends that will affect economies and societies in the year to come. It explores how



[Four global risk trends likely to shape the planet through 2030](#)

The path to 2030 is paved with economic, political, technological, and societal challenges. Here are the most important global risks identified by NYU research.



Global Gender Gap Report 2025

The Global Gender Gap Index annually benchmarks the current state and evolution of gender parity across four key dimensions (subindexes): Economic Participation and Opportunity,

According to the report, global installed photovoltaic capacity rose to between 553 gigawatts and 601 gigawatts by the end of 2024 - a new record.



Global Risks Report 2025 , World Economic Forum

The Global Risks Report 2025 analyses global risks to support decision-makers in balancing current crises and longer-term priorities.

[Global Cybersecurity Outlook 2025 , World Economic Forum](#)

The Global Cybersecurity Outlook 2025 highlights key trends shaping economies and societies in 2025, along with insights into emerging threats and solutions.



[In charts: 7 global shifts defining 2025 so far , World Economic Forum](#)

2025 has been marked by significant global shifts, including increased geopolitical instability, the accelerating impact of AI and a changing labour market.

[Exclusive: Renewables grew to almost 50% of global electricity](#)

Renewable power made up almost 50% of the world's electricity capacity last year after a record increase in solar installations, data from the International Renewable Energy Agency shared



[How supply chains need to adapt to a shifting](#)



[New report: World installed 600 GW of solar in 2024, could be](#)

By the end of 2024, solar PV made up 46% of global renewable capacity, with 2.2 TW installed. By 2030, we expect global installed solar PV capacity to exceed 7 TW by 2030. This would

[global landscape](#)

Global supply chains face rising geopolitical fragmentation and economic divergence, driving four plausible outlooks, from multilateral cooperation to full degradation.



[Global Risks Report 2026: Geopolitical and Economic Risks Rise in](#)

Geoeconomic confrontation, interstate conflict and extreme weather emerge as top risks for the year, says World Economic Forum Global Risks Report 2026.

Snapshot 2025

34 countries installed more than 1 GW of new capacity in 2024; 23 countries now exceed 10 GW in total installed capacity. Utility-scale PV led global installations,



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

Global Risks Report 2026

The Global Risks Report 2026, the 21st edition of this annual report, marks the second half of a turbulent decade. The report analyses global risks through three timeframes to support



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