

# Global status of solar power generation installed capacity



## Overview

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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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