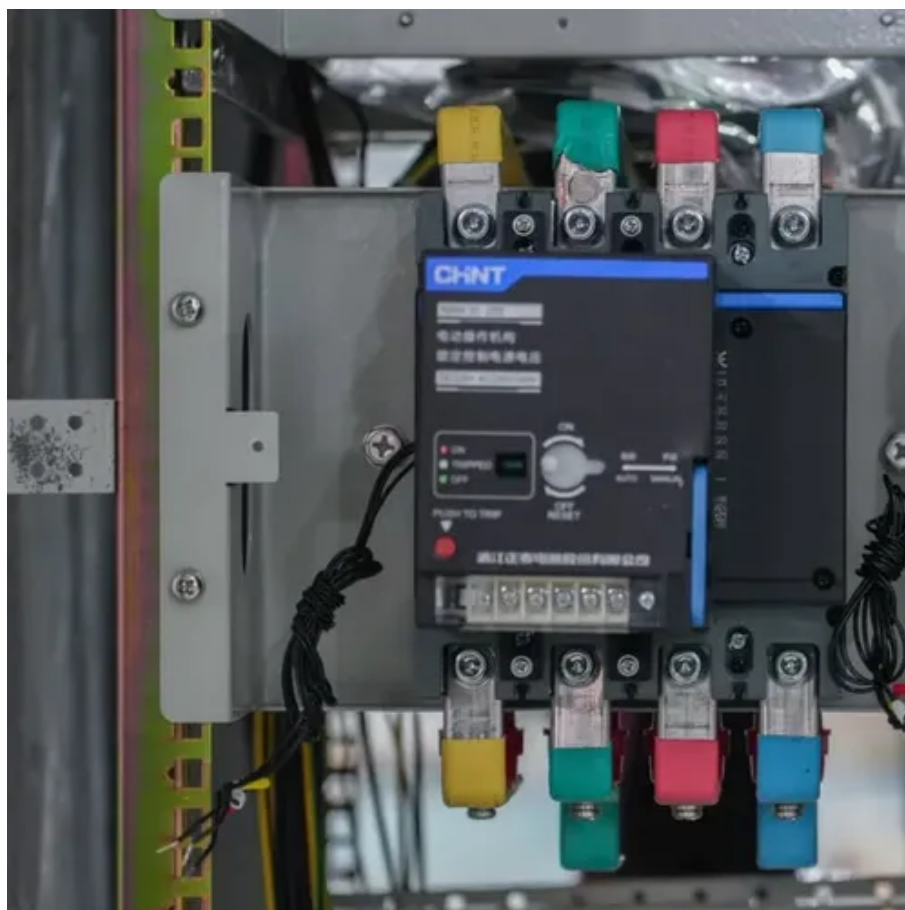




# Analysis of solar power generation this year





## Overview

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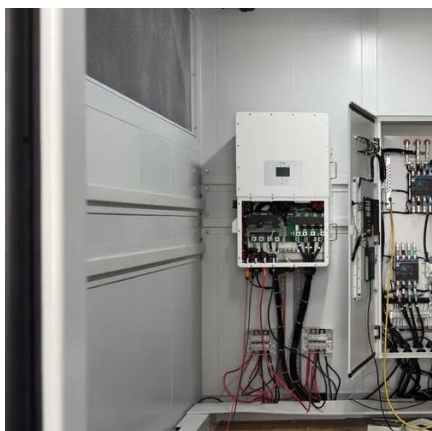
Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal, according to a new analysis. Electricity generation by the U. In our latest Short-Term Energy Outlook (STEO), we expect U. 6% in 2027, when it reaches an annual total of 4,423 BkWh. (AP Photo/Matthias Schrader, File)

Worldwide solar and wind. 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). Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity.



## Analysis of solar power generation this year

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### Global Market Outlook for Solar Power 2025-2029

With China implementing major changes to its solar market design this year, a temporary dip in global growth in 2026 appears very likely. Meanwhile, other regions are falling behind, ...

### [Solar power generation drives electricity generation growth over the](#)

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...



### Renewable electricity - Renewables 2025 - Analysis

Renewables 2025 - Analysis and key findings. A report by the International Energy Agency.

### [Solar and wind power overtake coal as world's biggest generator of](#)

Worldwide solar and wind power generation has outpaced electricity demand this year, according to a new analysis. Plus, for the first time on record, renewable energies combined



## Solar Market Insight Report 2024 Year in Review

Solar remains the generation technology of choice across the United States, as illustrated by the high level of demand in 2024. While 2023 was a year of recovery, 2024 was the year of materialization of ...

### [Report: Solar, wind power grew faster than electricity demand this year](#)

Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal,



### [Solar Power Expected To Lead Electricity Generation Growth](#)

The U.S. Energy Information Administration predicts solar energy will be the leading force behind this year's growth in the electric power industry.

### [Solar and Wind Power Has Grown Faster](#)



## Than Electricity Demand This Year

Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal,



## **Global Electricity Review 2025 , Ember**

Clean power surpassed 40% of global electricity generation in 2024, driven by record growth in renewables, especially solar. Heatwaves contributed to high growth in electricity demand ...

## **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 ...





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