KREATYWNY ENERGY POLSKA

Solar power generation installed capacity power



Overview

In 2024, generators added a record 30 GW of utility-scale solar to the U. We expect this trend will continue in 2025, with 32. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48. 6 GW of capacity was installed, the largest. Cumulative installed solar capacity, measured in gigawatts (GW). Data source: IRENA (2025) – Learn more about this data processed This is the citation of the original data obtained from the source, prior to any processing or adaptation by Our World in Data. Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity. Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to EIA data reviewed by the SUN DAY Campaign, continuing their strong 2025 growth. 29 -- China's combined installed capacity of wind and solar power has exceeded 1,800 gigawatts for the first time last year, as its gap with thermal power, whose primary sources are fossil fuels, continues to expand.

Solar power generation installed capacity power



Installed solar energy capacity

Installed solar energy capacity Cumulative installed solar capacity, measured in gigawatts (GW).

EIA: 99%+ of new US capacity in 2026 will be solar, wind + storage

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to the latest EIA data.





China Nears Historic Power Shift as Solar Overtakes Coal in 2026

China's total installed power capacity is forecast to reach about 4.3 terawatts by the end of 2026 as China expects 300 GW to come from primarily wind and solar.

REPORT: Solar Adds More New Capacity to the Grid in 2024 Than

Any

The United States installed a record-breaking 50 gigawatts (GW) of new solar capacity in 2024, the largest single year of new capacity added to the grid by any energy technology in over two decades.





Renewable Capacity Highlights 2025

Asia has more than doubled its installed solar power since 2022, with 247.9 GW added in 2023 and 327.1 GW added in 2024. However, the largest capacity increases occurred in China (+278.0 GW) and India (+24.5 GW).

Renewable electricity - Renewables 2025 - Analysis

Renewable electricity Renewable electricity additions for 2025-2030 total 4 600 GW - equal to the combined installed power capacity of China, the European Union and Japan Globally, renewable power capacity is ...



China adds 315 GW of solar in 2025 - pv magazine International

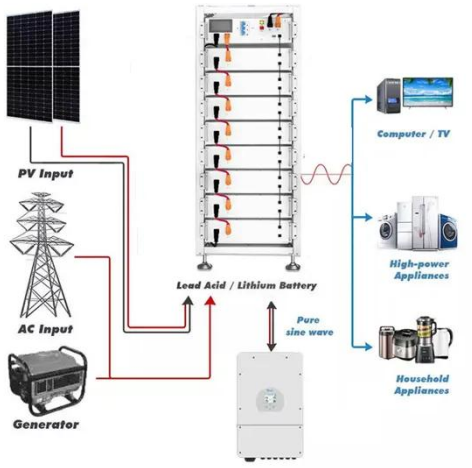
China installed a record 315 GW (AC) of new solar capacity in 2025, lifting



cumulative installed PV capacity to 1.2 TW and pushing non-fossil power sources past thermal generation for the first time.

China's Wind, Solar Power Installed Capacity Exceeded 1,800 GW for

China's installed capacity of wind and solar power has been on the rise over the past years. The country added 120 GW of wind and solar power in 2022, 290 GW in 2023, 360 GW in 2024, and 434 GW ...





Solar, battery storage to lead new U.S. generating capacity additions

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility-scale solar ...

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