

How much solar power generation capacity has been achieved

A plurality of the generation capacity retired in 2024 was from coal-fired facilities (49%), with over 3,500 MW retired. 83,226 MW of coal has been retired since 2017.

In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher than during the same period in 2024, when 232 GW were installed. In 2024, it took until ...

Global solar capacity has more than tripled in the last five years, hitting 2 TW for the first time ever. According to new data from the Global Solar Council as reported by Reuters, global ...

Approximately 70% of newly installed global electricity generating capacity for 2024 came from PV, with record installations in China (278 GW) and the U.S. (38 GW). Global PV installed...

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 ...

"Notably, 2 TW of solar is equivalent to the total installed electricity capacity of India, the USA and UK combined and could power an estimated one billion homes, based on a global average...

Globally, 347 gigawatts (GW) of photovoltaic (PV) capacity were added to power generation in 2023, which has made it a record-breaking year for solar power generation, revealed a ...

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 ...

Depending on the data, this can include standardizing country names and world region definitions, converting units, calculating derived indicators such as per capita measures, as well as ...

Global solar photovoltaic capacity has grown from around 40 gigawatts in 2010 to approximately 2.2 terawatts in 2024. Only in that last year, installations increased by almost 40 ...

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