

Global installed capacity of solar power and energy storage

Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.

While the uptake of solar varies across regions across the world, a common theme is the importance of flexible, electrified energy systems - underpinned by critical technology like battery ...

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 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 ...

Find the latest statistics and facts on energy storage.

Curtailement is increasingly prevalent in high-penetration markets, underlining the need for grid flexibility, storage, and new business models. PV represented more than 75% of all new renewable generation ...

- Wind and solar accounted for 83% of capacity installed in 2024; together, they have constituted the most capacity installed for 9 years running. - Annual coal and gas additions fell 10% ...

To triple global renewable energy capacity by 2030 while maintaining electricity security, energy storage needs to increase six-times. To facilitate the rapid uptake of new solar PV and wind, ...

A comparison of the solar power status among countries and territories has been provided, considering their concentrated solar power and PV installed capacities for each continent.

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for ...



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