



Global solar power installed capacity

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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 ...

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 ...

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 as country-aggregated distributed (<1 ...

At the end of 2024, global CSP capacity reached approximately 7 GWac, with virtually all installed CSP capacity (three projects, totaling 250 MWac) located in China.

Solar is the fastest-growing source of electricity worldwide, and the buildout continues to gain pace, year after year. In the first six months of 2025, countries installed 380 gigawatts of solar ...

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, but distributed PV remained strong in key ...

IRENA data reveals that global renewable energy capacity additions reached a historic 582 GW in 2024, with solar power leading at 452 GW and renewables dominating new power generation ...

Global cumulative installed solar PV capacity amounted to approximately 2.2 terawatts in 2024, up from less than 2.6 gigawatts in 2003. China, the United States, India, and Japan were the...

At the end of 2024, global renewable power capacity amounted to 4 448 GW. Solar, in line with the previous



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year, accounted for the largest share of the global total, with a capacity of 1 865 GW.

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