

Global solar power generation capacity



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Solar Power by Country 2026

Data and analysis including a list of solar power in every country in ...



Installed solar energy capacity

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 adding or adapting ...



Global Market Outlook for Solar Power 2025-2029

Global solar installations reached nearly 600 GW - an impressive 33% increase over the previous year - setting yet another record. Solar accounted for 81% of all new renewable energy capacity added ...

Renewable Capacity Highlights

2025

At the end of 2024, global renewable power capacity amounted to 4 448 GW. Solar, in line with the previous year, accounted for the largest share of the global total, with a capacity of 1 865 GW.



Global solar installations surge 64% in first half of 2025

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 2024, when 232 ...

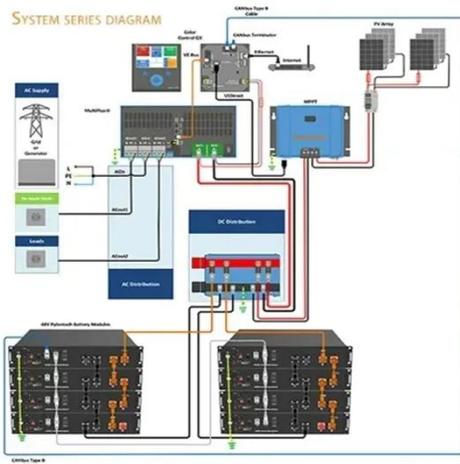
Solar accounted for 70% of new global power capacity in 2024

A new IEEE report shows solar dominated new generation in 2024, with 70% of added global capacity from PV and record installations in China and the United States.



Global Solar Power Tracker

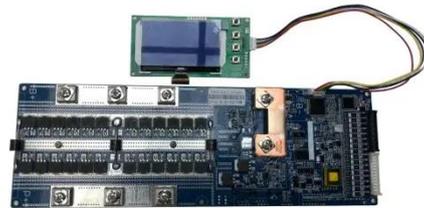
The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic (PV) and solar thermal



facilities, as well as country-aggregated distributed (<1 MW) solar PV data.

Solar power by country

The worldwide growth of photovoltaics is extremely dynamic and varies strongly by country. In April 2022, the total global solar power capacity reached 1 TW, increasing to 2 TW in 2024. The top installers of 2024 ...



Global solar energy outlook

In the coming decade, solar PV is expected to continue being the largest contributor to global renewable energy installations, reaching a cumulative capacity of more than seven terawatts by

Solar Power by Country 2026

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar

power.



Renewable electricity - Renewables 2025 - Analysis

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes and ...

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