

My country s solar power generation installed capacity



**200kWh
Battery Cluster**



Overview

Official statistics by year of solar electricity installed capacity (GW). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality. In 2024, SolarPower Europe declared that solar installed capacity had doubled since 2022 to two Terawatt, showing an astounding rate of growth. Solar has massive potential to transform life on our planet. 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. To cite data downloaded from this page. Many countries and territories have installed significant solar power capacity into their electrical grids to supplement or provide an alternative to conventional energy sources. Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy. Except where otherwise noted, content on this site is licensed under a Creative Commons Attribution 4. The capacity installed is.

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Solar power by country

OverviewAsiaGlobal use figuresAfricaEuropeNorth AmericaOceaniaSouth America

Armenia due its geographical and climate properties is well-suited for the solar energy utilization. According to the Ministry of Energy Infrastructure and Natural Resources of Armenia the country is capable of producing 1850 kWh/m per year. For comparison European countries are capable of around 1000 kWh/m per year on average. Two main panel types utilized in Armenia are the photovoltaic and thermal solar panels. The ...

[Solar electricity capacity by country, around the world](#)

The average for 2022 based on 189 countries was 5.64 million kilowatts. The highest value was in China: 393.03 million kilowatts and the lowest value was in Bermuda: 0 million kilowatts. The ...



Global Solar Atlas

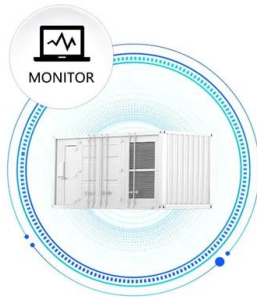
It is provided by the World Bank Group as a free service to governments, developers and the general public, and allows users to quickly obtain data and carry out a simple electricity output calculation for ...

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 ...



SUPPORT REAL-TIME ONLINE MONITORING OF SYSTEM STATUS

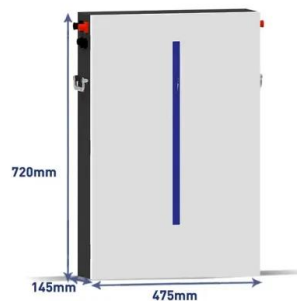


Installed solar energy capacity

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 ...

Renewable energy statistics 2025

Data on renewable power capacity represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity.



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 ...

[Solar PV capacity new installations by country 2023](#)

In 2023, China installed the largest share of the world's new solar photovoltaic (PV) capacity, at 58 percent of the total capacity.

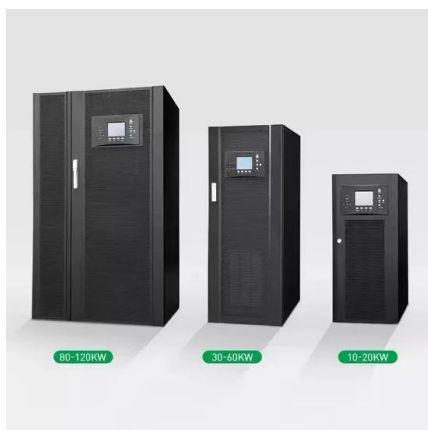


[Solar electricity installed capacity. Data by Countries from 2000 to 2023](#)

Official statistics by year of solar electricity installed capacity (GW). The values are presented in tables and charts with calculations of changes and shares, and with extensive analytical functionality.

[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.



[Solar PV capacity by country](#)

On this webpage, you can find the rating of top solar photovoltaic generating countries, get to know the volume of solar PV capacity installed in each individual nation annually, and find the solar PV ...

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