How many solar power stations are there in my country

Overview

The table below ranks countries based on their deployment of solar power plants of 4-MW AC and over. Click here to see figures by continent. We prepare overviews showing the key data in markets of your choice, as described here. According to a 2024 report by the World Bank, off-grid solar has the potential to bring electricity to nearly 400 million people worldwide for the first time by 2030. Nearly every country in the world has the right combination of geographic conditions, weather, and sunlight to generate all the. 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. The utility-scale data covers all operating solar farm phases with capacities. The majority of new solar power capacity is being deployed in emerging markets (non- OECD countries). CSP represents a minor share of solar power capacity, and is present in significant quantities only in. Welcome to Global Solar Atlas v2. Select sites, draw rectangles or polygons by clicking the respective map controls. 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.

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Global Solar Atlas

Welcome to the Global Solar Atlas. Start exploring solar potential by clicking on the map. Select sites, draw rectangles or polygons by clicking the respective map controls. Calculate energy production for ...

Global Solar Power Tracker

The tracker further provides national totals for distributed solar capacities for 31 countries/areas. For more information about inclusion criteria, please see our Methodology page.

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 ...

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 ...

Countries , wiki-solar

Each project in the Wiki-Solar Database is listed in a specified country and we can therefore map projects and analyse and benchmark the characteristics on a country by country basis.

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 ...

How many solar power stations are there? , NenPower

Statistically, the number of installed solar power systems has skyrocketed over the last decade. As of now, there exists an extensive array of solar projects contributing to national energy ...

The U.S. Large-Scale Solar

Photovoltaic Database

The U.S. Large-Scale Solar Photovoltaic Database provides the locations and array boundaries of U.S. photovoltaic facilities, with capacity of 1 megawatt or more.

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 power by country

OverviewGlobal use figuresAfricaAsiaEuropeNorth AmericaOceaniaSouth America

Many countries and territories have installed significant solar power capacity into their electrical grids to supplement or provide an alternative to conventional energy sources. Solar power plants use one of two technologies: o Photovoltaic (PV) systems use solar panels, either on rooftops or in ground-mounted solar farms, converting sunlight directly into electric power.

List of photovoltaic power stations

Most are individual photovoltaic power stations, but some are groups of co-located plants owned by different independent power producers and with separate transformer connections to the grid.

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