The distribution of solar power stations 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. 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. Nearly every country in the world has the right combination of geographic conditions, weather, and sunlight to generate all the electricity it needs —and more—using solar power facilities placed within its own borders. With 139,205 MW of solar power online and more on the way, the U. Select sites, draw rectangles or polygons by clicking the respective map controls. photovoltaic (PV) facilities with capacity of 1 megawatt or more. Around 20% of the global.

The distribution of solar power stations in my country

Share of electricity production from solar, 2025

Most of the data is taken from the European Commission's Eurostat annual data. This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over ...

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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 ...

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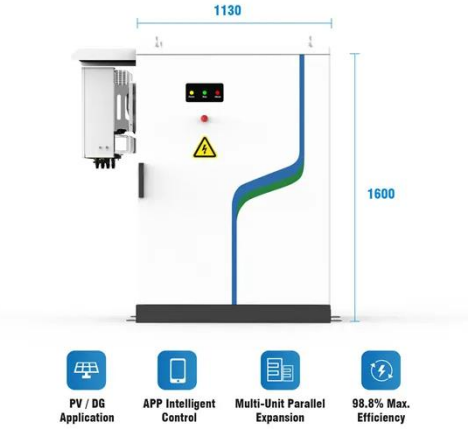

Solar Power by Country 2026

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

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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.

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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.

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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.

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Solar power by country

OverviewAfricaGlobal use figuresAsiaEuropeNorth AmericaOceaniaSouth America

Many African countries receive on

average a very high number of days per year of bright sunlight, especially the dry areas, which include the arid deserts (such as the Sahara) and the semi-desert steppes (such as the Sahel). This gives solar power the potential to bring energy to virtually any location in Africa without the need for expensive large-scale grid-level infrastructural developments. The distribution of solar resources across Africa is fairly uniform, with more than ...

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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.

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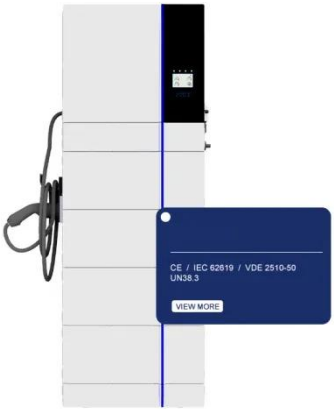

Solar Photovoltaic Power Potential by Country

Policymakers and investors often wonder whether the PV power potential in a specific country or region is good enough to take advantage of and if so, on what scale.

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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.

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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 ...

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