

Ranking of domestic wind power and photovoltaic power generation



**200kWh
Battery Cluster**



Overview

Three of the top countries in terms of total capacity – Germany, Spain, and the UK – were also among the world leaders in percentage of domestic generation from wind and solar at 42. The data can be further refined based on region, technology or year of interest. Global renewable energy deployment continued its robust growth in 2024, with solar and wind capacity increasing by a near-record 23% to almost 3 TW. Solar and wind continue to dominate, representing 86.7% of new global capacity additions in 2024. In high-share systems, annual values can move a few points with rainfall, reservoir levels, demand swings and cross-border flows. Wind power is clean, renewable, sustainable, affordable to construct, and easy to. Wind and solar are on the rise worldwide — here are the 10 countries that rely on the clean-energy sources most for their electricity. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours.

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Country Rankings

This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest.

Top 100 Countries by Share of Renewable Energy in Power Generation

This ranking tracks the share of electricity generated from renewable sources (hydro, wind, solar, bioenergy and other renewables) as a percentage of a country's total electricity generation.

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Cycle Life
≥8000

Nominal Energy
200kwh

IP Grade
IP55



Who are the solar and wind champions?

In a new monthly column for pv magazine, the International Solar Energy Society (ISES) reveals that Sweden, Australia, Netherlands, Germany and Denmark are the leading countries for ...

Top Solar & Wind Deployment by Country

Three of the top countries in terms of total capacity - Germany, Spain, and the UK - were also among the world leaders in percentage of domestic generation from wind and solar at ...



Wind Power by Country 2026

Wind power and its synonym wind energy are terms that refer to electricity that has been generated by harnessing the power of wind, as opposed to other methods such as solar panels or the burning of ...

Chart: Which countries get the most power from solar and wind?

Wind and solar are on the rise worldwide -- here are the 10 countries that rely on the clean-energy sources most for their electricity. All of these countries used wind and solar to produce ...



TOP 10 Countries by Electricity from Renewables (2025)

This ranking highlights countries where renewable sources already deliver most



grid electricity. The metric is the share of domestic electricity generation coming from hydro, wind, solar, ...

Wind Power by Country 2026

Wind power and its synonym wind energy are terms that refer to ...



Renewable electricity - Renewables 2025 - Analysis

Among all technologies, wind is impacted most, with both offshore and onshore capacity growth revised down by almost 60% (57 GW) over the forecast period. The forecast for solar PV capacity has been ...

Solar and wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import

and demand data for over 200 geographies. You can find more about Ember's methodology in this ...



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When the wind is not blowing (which it does not, wherever you are), the residence is able to receive electricity generation either from installed solar panels or from being connected to the

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