

**PIENAAR ENERGY (PTY) LTD**

# **Wind and solar power generation leaders**



## Overview

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A quick summary of the global renewable race in this one sentence using new renewable electricity generation capacity as the metric: China leads at 64%, the US comes in second with 11%, and the rest of the world combined accounts for the remaining 25%. Here in Australia, we are building out renewable power and storage at record rates, and they now make up more than 40% of our electricity in our main grid – and 36% across the country. We are far from alone in the global renewable rollout: in the first half of 2025, for the first time ever, the. Clean energy technologies like wind and solar power are on track to supply nearly half the world's electricity by 2030. But some of the world's biggest economies — including the U. — are lagging behind, missing out on an opportunity for clean jobs and healthier air. Note that in this report, with information up to. 1985 2024 1990 1995 2000 2005 2010 2015 0 TWh 5,000 TWh 10,000 TWh 15,000 TWh 20,000 TWh 25,000 TWh 30,000 TWh Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Note: "Other renewables" include geothermal, wave, and tidal.

## Wind and solar power generation leaders

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### These 10 countries are winning the global clean energy ...

Solar and wind power are expanding across the globe, but who is producing the most clean energy?

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### Who is Leading the Global Renewable Energy Race?

China continues to dominate the global renewable energy market, with an overwhelming 1,889 GW of installed renewable capacity as of the end of 2024, representing 64% of additional ...



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### Who are the solar and wind champions?

The leading countries for per capita solar and wind generation capacity (W/person) are Sweden, Australia, Netherlands, Germany and Denmark, according to the latest IRENA data. Apart ...

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## Global wind and solar

## ownership rankings , S& P Global

Collectively, global top 30 asset owners held 626 GW of solar and wind assets, accounting for 32% of the world's total. This marks a noticeable increase in market consolidation, up ...

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## Country Rankings

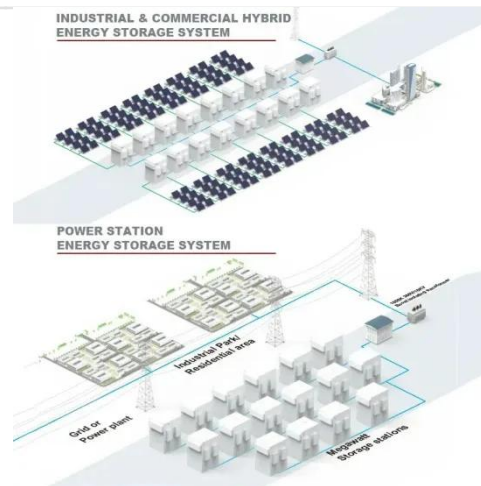
This dashboard ranks countries/areas to their renewable energy power capacity or electricity generation. The data can be further refined based on region, technology or year of interest.

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## These 8 Countries Are Scaling Up Renewable Energy the Fastest

Increasing solar and wind generation from 12% to more than 57% by 2030 requires a rapid pace of change, but three countries have proven it's possible. Uruguay, Denmark, and ...

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## Texas Leads U.S. Renewable Energy Generation by a Country Mile

Wind is the leading source of renewable

electricity with 453,454 gigawatt-hours, up 7.7 percent from the prior year. Hydropower plants generated 242,226 gigawatt-hours, down 1.1 percent .

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## 11 countries leading the charge on renewable energy

Here are the top eleven countries using renewables--wind, electricity, geothermals--to lead the way to a low-carbon, zero emissions future.

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## Electricity production by source, World

Solar (photovoltaic) panels cumulative capacity Solar and wind power generation Solar energy generation by region Solar energy generation vs. capacity Solar photovoltaic module prices vs. ...

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## Top 10 Nations Leading in Wind Energy

Here is the list of world's leading renewable energy generating countries

in the world. 1. China is a global leader in wind energy generation. The country had a significant installed capacity ...

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