



# Brazil solar power generation time table



## Overview

Official and up-to-date data of Brazil for all years of statistics, in an easy-to-read format. Analysis of solar power generation with advanced tools for comparisons, trends, shares, and various metrics. Except where otherwise noted, content on this site is licensed under a Creative Commons Attribution 4. Growth in distributed solar generation capacity has driven growth in total electricity generation capacity in Brazil since 2019. 9 GW at February 2025, which consists of about 21. 9% of the country's electricity matrix. The Brazilian solar sector is experiencing a. The Brazil Solar Energy Market Report is Segmented by Technology (Solar Photovoltaic and Concentrated Solar Power), Grid Type (On-Grid and Off-Grid), and End-User (Utility-Scale, Commercial and Industrial, and Residential). The Market Sizes and Forecasts are Provided in Terms of Installed Capacity. Over the last twelve months—from July 2024 to June 2025—the country's electricity generation has relied heavily on hydropower, accounting for more than half of the electricity supply at approximately 54%.



## Article Content

Brazil solar curtailment hits 20% as renewables strain ...

In August, 20% of potential solar output was curtailed, compared with 12% in August 2024. ONS records include cuts due to external ...

Solar PV in Brazil

In 2020, the country's installed solar PV capacity stood at 8.5 gigawatts. By the end of 2024, this had grown to roughly 53 gigawatts. The ...

Solar power generation | Brazil - yearly data, chart and table

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Brazil Solar Energy Market Size, Growth & 2031 Share

The Brazil solar energy market size attached to the C& I segment is projected to reach 52.7 GW by 2031, eclipsing utility-scale additions for the first time, provided transmission bottlenecks ...

SOLAR PV IN BRAZIL

Even in overcast weather, there is still generation. As Brazil will hardly be all cloudy at once and the plants are spread, the total effect is reduced and the result is similar to an average day.

Wind and solar power fuel over one-third of Brazil's ...

Solar power grew from just over 1% of generation in 2019 to 9.6% in 2024, while wind climbed from 8.8% to 15% over the same period. Brazil's ...

Distributed solar generating capacity is the fastest-growing power ...

Distributed solar generation capacity grew from less than 1 gigawatt (GW) in 2018 to 40 GW in 2025 through June, accounting for 43% of all electricity capacity additions over that period.

Solar power in Brazil

The total installed solar power in Brazil was estimated at 53.9 GW at February 2025, which consists of about 21.9% of the country's electricity matrix. In 2023, Brazil was the 6th country in the world in terms of installed solar power capacity (37.4 GW). Brazil expects to have 1.2 million solar power generation systems in the year 2024. Solar energy has great potential in Brazil, with the country having one of the highest ...

Brazil Electricity Generation Mix 2025 | Low-Carbon Power Data

Post-2010, inconsistent hydropower outputs continued, with substantial declines in 2013, 2014, and 2021. Nevertheless, Brazil has increasingly turned towards wind and solar advancements, with ...

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.lup.edu.pl>

Email: [info@lup.edu.pl](mailto:info@lup.edu.pl)

Phone: +48 512 478 936

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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