



Solar panels in Brasilia generate electricity





Overview

The total installed 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.

Brasilia DF), leads the ranking of solar energy production with a record of 413 MW of installed power na own generation. The data is from ANEEL (Brazilian Photovoltaic Solar Energy Association) and the ABSOLAR (Brazilian Photovoltaic Solar Energy Association).

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Note: Other includes biomass, all other distributed generation, and nuclear. Data for 2025 include systems installed through June 30, 2025. Growth in distributed solar generation capacity has driven growth in total electricity generation capacity in Brazil since 2019. Distributed solar generation.

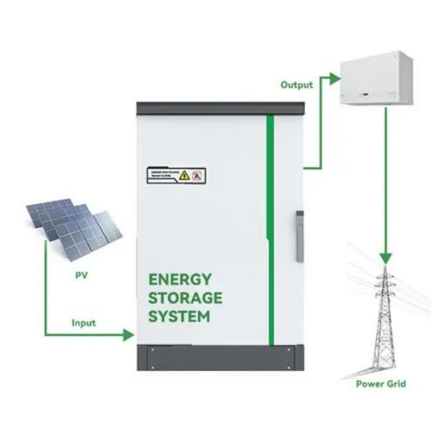
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The total installed solar power in Brazil was estimated at 53.9 GW at February 2025, which consists of about 21.9% of the country's electricity matrix. [1] In 2023, Brazil was the 6th country in the world in terms of installed solar power capacity (37.4 GW). [2] Brazil expects to have 1.2 million.

And for good reason—until 2010, the country had only a few dozen megawatts installed in the form of isolated systems distributed throughout the country, mainly in the North and Northeast regions. These systems were largely encouraged and financed by government rural electrification programs, such.



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[Solar power is booming in Brazil. Can it be a boom ...](#)

Solar is now Brazil's second-largest source of electricity. Experts say its growth must also reach and respect communities cut off ...

Solar power in Brazil

Solar energy has great potential in Brazil, with the country having one of the highest levels of insolation in the world at 4.25 to 6.5 sun hours/day. [4] As of 2019, Brazil generated nearly ...



[Brazil uses renewables to generate 88% of power in 2024](#)

Overall, solar power now represents 22.2% of Brazil's total installed electricity capacity, becoming the country's second-largest energy source, according to the Brazilian ...



[Brasília has the largest solar energy production in Brazil](#)

Since 2012, the solar sector has attracted more than BRL 2 billion in investments for the district, generating around 12 jobs and contributing to R\$600 million for public coffers. ...



[Solar power generation is Brazil's 2nd largest ...](#)

Solar power generation has surpassed 55 gigawatts (GW) of operational installed capacity in Brazil. Of this total, 1.6 GW was added to ...

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Renewable sources supplied 88.2% of Brazil's electricity demand in 2024, with wind and solar covering 24% of the total, according to state energy agency EPE. The data comes ...



[Brazil generates 88% of power from renewables in ...](#)

Renewable sources supplied 88.2% of Brazil's electricity demand in 2024, with wind and solar covering 24% of the total, according ...

[Solar power is booming in Brazil. Can it be a boom for all?](#)



Solar is now Brazil's second-largest source of electricity. Experts say its growth must also reach and respect communities cut off from the grid. Student Brenda Rodrigues da ...



[Solar Energy in Brazil: The Next Powerhouse . ISES](#)

These records highlight the growing importance of solar energy in Brazil's energy landscape and its potential to soon become a major force in the country's energy transition.



Distributed solar generating capacity is the fastest-growing power

Unlike centralized generators, where power plants produce electricity and send it long distances over power lines to customers, distributed generators produce near the point of ...



Wind and solar generate over a third of Brazil's electricity for the

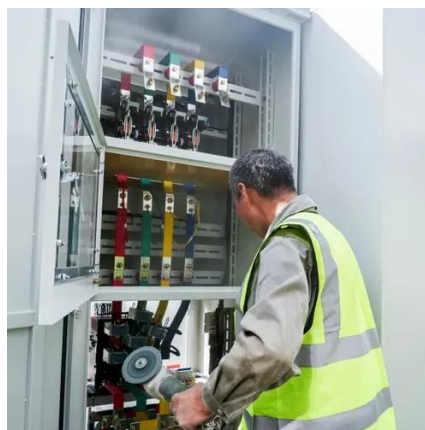
Brazil's build-out of wind and solar power has been fast enough to meet and exceed growth in electricity demand over the last decade. This has reduced the need for additional fossil ...



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