



Are there many new energy solar sites in Brasilia





Overview

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Growth in distributed solar generation capacity has driven growth in total electricity generation capacity in Brazil since 2019. 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.

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). Currently, i Federal Government.

Just three years ago, Brazil did not feature among the world's top producers of solar energy, but by 2023 it had risen to sixth place in the rankings. The pace of growth has been notable: since 2022, the country has added, on average, roughly one gigawatt of solar capacity every month. Last year.

In the last five years, Brazil has increased its solar photovoltaic energy generating capacity by more than 6-fold. 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 Brazilian solar sector is experiencing a.

Solar energy in Brazil surpassed the 55 GW milestone in March 2025, more than doubling its photovoltaic (PV) count in the last few years. That breakneck expansion is reshaping Brazil's energy security, sharpening its industrial competitiveness and putting its 2030 climate pledges within reach.

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. Does Brazil have solar energy?

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. As of 2019, Brazil generated nearly 45% of its energy, or 83% of its electricity, from renewable sources. For example, 60% of Brazil's electricity generation came from renewable hydropower.

How many solar power systems will Brazil have in 2024?

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 levels of insolation in the world at 4.25 to 6.5 sun hours/day. As of 2019, Brazil generated nearly 45% of its energy, or 83% of its electricity, from renewable sources.

How many solar power systems are there in Brazil?

As of June 30, 2025, total solar electric generating capacity in Brazil was 23% of the total electric generating capacity. Home and building owners installed more than 3.7 million renewable distributed generation systems in Brazil as of June 30, 2025.

Which region has the most solar power in Brazil?

Today, the north-east leads the country's solar market. According to the Brazilian National Electric Energy Agency (Aneel), the region has accumulated more than 60% of the total power solar capacity that is authorised to operate in the national system (excluding distributed generation).



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Solar PV in Brazil

The Brazilian solar sector is experiencing a rapid expansion, with planned utility-scale installations amounting to more than 139 ...

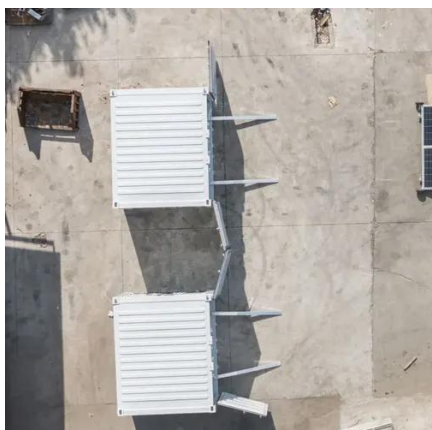
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Mega plants such as the Pirapora Solar Complex and the Canaã Solar Power Complex highlight the Brazilian government's commitment to sustainable energy. These plants ...



Solar PV in Brazil

The Brazilian solar sector is experiencing a rapid expansion, with planned utility-scale installations amounting to more than 139 gigawatts as of February 2025.



Solar power in Brazil

However, to meet energy demands in the entire country, and to diversify its energy portfolio, other renewable energy sources, such as solar power, are being expanded.

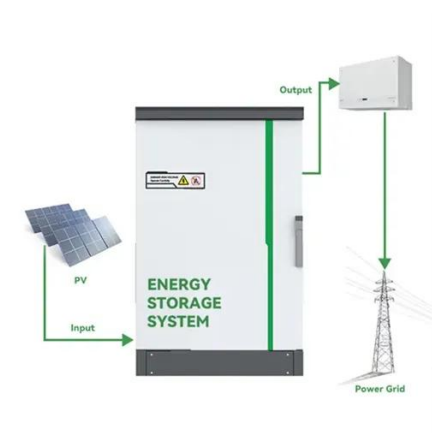


[What are the solar energy projects in Brazil?](#)

Mega plants such as the Pirapora Solar Complex and the Canaã Solar Power Complex highlight the Brazilian government's ...

Distributed solar generating capacity is the fastest-growing power

As of June 30, 2025, there were 122 GW of planned utility-scale solar facilities listed in ANEEL's data. However, only 6 GW of the planned projects are currently under ...



[Key Solar Plant Locations in Brazil for Sustainable ...](#)

Explore prime solar plant locations in Brazil to maximize energy potential. Discover strategies for leveraging Brazil's solar capabilities now!

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

In 2023, the Brazilian government announced a new "growth acceleration" plan that included BRL 67 billion (USD 12.5 billion) to ...

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

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Solar power in Brazil

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[Brasilia Capital of Solar Lighting Project](#)



Law No. 6891/2021 has stipulated that no less than 50% of energy consumption of the public buildings and services in the FD shall be generated by renewable energy by the end of 2026, ...



[Key Solar Plant Locations in Brazil for Sustainable Energy](#)

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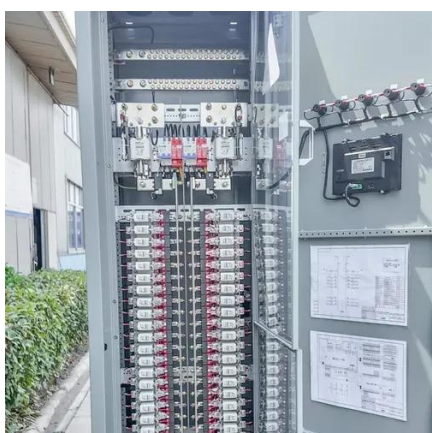
[Solar Energy in Brazil: From Opportunity to a 55 GW Reality](#)

Solar energy in Brazil surpassed the 55 GW milestone in March 2025, more than doubling its photovoltaic (PV) count in the last few years.



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

In 2023, the Brazilian government announced a new "growth acceleration" plan that included BRL 67 billion (USD 12.5 billion) to finance new renewable energy projects. More ...





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