



Solar Configuration in Brazil





Overview

By December, Brazil's total solar capacity reached 56 GW, representing 22.5 percent of its installed power mix. This share placed solar second only to hydropower in the national grid. Developers connected 147 new utility-scale solar farms and thousands of rooftop and small.

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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.

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.

According to ABSOLAR and SolarPower Europe, Brazil added 18.9 GW of solar PV capacity in 2024. The country ranked fourth globally behind China, the United States and India. By December, Brazil's total solar capacity reached 56 GW, representing 22.5 percent of its installed power mix. This share.

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.

Brazil isn't just embracing solar energy—it's revolutionizing its potential in the global energy sector. As we count down to the Solar World Congress 2025 in Fortaleza, let's dive into Brazil's solar energy history. Fifteen years ago, no one could have imagined that Brazil would become one of the.

In the first quarter of 2024, more than 4GW of PV capacity was added to Brazil's



power system, according to the latest data released by ABSolar, the Brazilian photovoltaic association. Of this, about 2GW comes from large-scale PV power plants and another 2GW from distributed PV systems. As of the.



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[Brazil's Photovoltaic Market Surges Past 55 GW of ...](#)

According to the Brazilian Association of Photovoltaic Solar Energy (Absolar), solar now accounts for 23.7% of the country's total ...

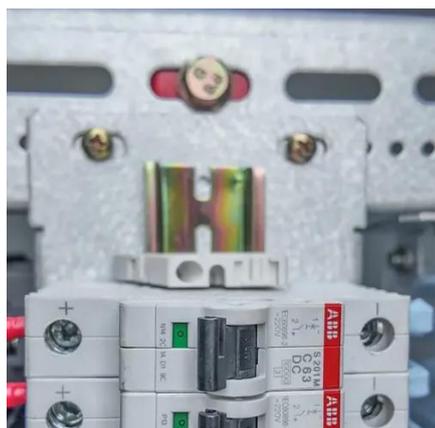
[Brazil Emerges as Fourth-Largest Solar Market with 18.9 GW](#)

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What's driving solar energy adoption in Brazil? Exploring ...

The results of this paper ratify a U-shape relationship between urbanization degree and household solar power uptake. Satellite areas in



the surroundings of great urban centers ...



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.

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Solar Energy in Brazil: From Opportunity to a 55 GW Reality

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Brazil's Photovoltaic Market Surges Past 55 GW of Solar Power

According to the Brazilian Association of Photovoltaic Solar Energy (Absolar), solar now accounts for 23.7% of the country's total electricity capacity. This achievement places ...

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 ...



Solar PV in Brazil

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[Brazil's PV capacity hits 55 GW - Prometheus Institute](#)

Brazil's installed solar capacity has reached 55 GW, according to new data from the Brazilian Solar Energy Association (ABSolar). At the end of December, cumulative PV ...



Distributed solar generating capacity is the fastest-growing power

The states in the south and southeast regions of Brazil have the most distributed solar capacity: São Paulo (5.8 GW), Minas Gerais (4.9 GW), Paraná (3.7 GW), Rio Grande do ...



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