

Commercial solar power generation system in Brazil





Overview

Does Brazil have a large solar generation capacity?

In 2012, Brazil implemented net metering policies, which have recently contributed to large increases in distributed solar generation capacity. Compared with distributed solar, utility-scale solar generating capacity at the end of June was only 17.9 GW, according to the Brazilian Electricity Regulatory Agency (ANEEL).

Is Brazil embracing solar energy?

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 world's largest powers in photovoltaic solar energy.

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.

Does Brazil have a potential for photovoltaic energy?

During the era of isolated systems, some companies began to recognize Brazil's potential for photovoltaic generation. But it wasn't only the private sector that became interested in this source—the public sector also began seriously considering the possibility of expanding the electricity matrix with photovoltaic solar energy.



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Brazil recently reached the milestone of 3 million distributed solar generation systems installed, solidifying its position as a global leader in the adoption of photovoltaic solar ...

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Distributed solar generating capacity is the fastest-growing power

In 2012, Brazil implemented net metering policies, which have recently contributed to large increases in distributed solar generation capacity. Compared with distributed solar, ...

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Solar PV in Brazil

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How PL 624 and PL 671 will transform Brazil's solar energy ...

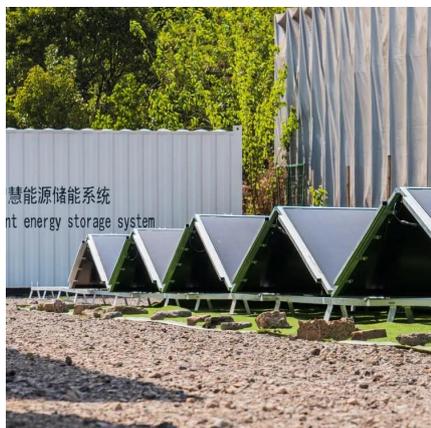
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However, realising a 100 GW solar system before 2030 will hinge on continued transmission buildouts and rapid local manufacturing scale-up. Clear those hurdles, and Brazil's solar power engine can continue to ...

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Competitiveness of utility-scale solar photovoltaic power generation ...

Between 2014 and 2022, 194 solar energy projects were successful in these auctions, providing data that allows us to analyze the evolution of solar photovoltaic utility ...

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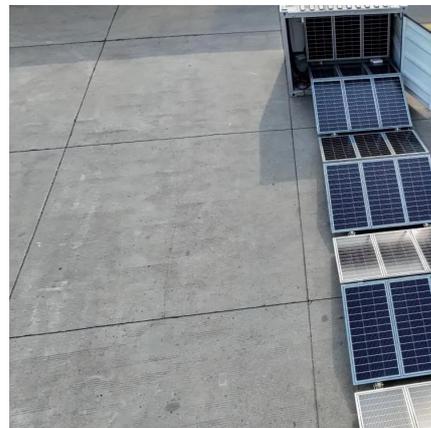
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[Solar to add 13 GW in Brazil in 2025 amid signs of slowdown](#)

Brazil is expected to add 13.2 GW of solar capacity in 2025, but the market is showing early signs of slowing as new large-scale projects face delays and distributed ...

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