

Brasilia solar energy storage ratio





Overview

How much solar power does Brazil have?

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).

How has distributed solar generation capacity changed in Brazil?

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

What is distributed generation in Brazil?

In Brazil, solar photovoltaic dominates the distributed generation sector, representing 99% of the country's total distributed generation capacity. Small hydroelectric and wind account for the remaining 1% of distributed generation. The net metering policies in Brazil have evolved several times since 2012.

What is solar resource potential?

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes.



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Distributed solar generating capacity is the fastest-growing power

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The Utility-Scale Landscape for Energy Storage in Brazil

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ENERGY PROFILE Brazil

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