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Distributed solar energy storage in Brazil



Overview

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 Sul (3.4 GW), and Mato Grosso (2.6 GW).

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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 capacity grew from less than 1 gigawatt (GW) in 2018 to 40 GW in 2025 through.

Brazil's distributed solar generating capacity has emerged as the nation's fastest-growing power source, significantly reshaping its electricity landscape. This rapid expansion, primarily driven by the implementation and evolution of net metering policies since 2012, means more power is generated.

Provisional measure (MP) 1,304 introduces a charge for certain distributed-generation (DG) system operators if an Energy Development Account (CDE) spending cap is breached. From pv magazine Brazil MP 1,304, introduced by Brazil's federal government, has again highlighted the dilemmas facing the.

According to updated data from National Electric Energy Agency (Aneel), the country surpassed the mark of 5 million properties with distributed solar energy generation connected to the power grid. This number represents a significant leap compared to the reality of just over a decade ago, when the.

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.

Brazil's electricity generation capacity has surged since 2019, driven largely by distributed solar, which grew from under 1 GW in 2018 to 40 GW by

mid-2025—accounting for 43% of new capacity. Supported by evolving net metering policies, over 3.7 million rooftop solar systems have been installed.

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