

Brazil outdoor solar power hub



Overview

Here is a list of the largest Brazil PV stations and solar farms.

Brazil outdoor solar power hub



[Brazil's PV market is booming, with installed capacity exceeding 40GW](#)

Brazil is blessed with solar radiation resources and has become one of the pioneers in the development of renewable energy in South America. Today, Brazil's distributed installed capacity

Brazil

In 2024, solar power, when including distributed generation, became the second largest source of electricity in Brazil, surpassing wind power, and reaching almost 50 GW.



Solar power in Brazil

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). 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

Brazil Solar Power Market Report (Q1 2026)

Blackridge Research's Brazil Solar Power Market Outlook report provides comprehensive market analysis on the historical development, the current state of solar PV installation scenario, its



outlook



[Brazil Exceeds 55 GW Installed Solar PV Capacity](#)

Solar PV is next only to hydroelectric projects, which account for more than 40% of the country's total power generation capacity. A new ABSOLAR report, according to local media,

[Brazil holds the key to Latin America's solar potential](#)

Brazil accounts for only 27% of solar capacity that is currently operating or under construction in Latin America, but 65% of the capacity in the pre-construction phase, and so is home



[Top five solar PV plants in operation in Brazil](#)

Listed below are the five largest active solar PV power plants by capacity in Brazil, according to GlobalData's power plants database. GlobalData uses proprietary data and analytics to

Solar PV in Brazil

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 rapid



[Brazil Outdoor Removable Power Market Outlook 2026-2033 , Key](#)

Key Highlights Segment Growth: The portable



battery packs and solar-based removable units dominate Brazil's outdoor removable power market, especially in events, camping, and remote

Largest solar power stations in Brazil

Enel through EGBP has started operating its Lapa solar park, which is the biggest solar power project operation in Brazil at present. The plant is situated in Bom Jesus da Lapa, in the north-eastern state



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. As of 2019, Brazil generated nearly 45% of its energy, or

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