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A recent study by the Brazilian Photovoltaic Solar Energy Association (ABSOLAR) reveals that Brazil has achieved a significant milestone, with over 2 million homes now equipped with solar energy systems. This achievement represents a remarkable investment totaling more than 70.3 billion reais since 2012.

Generally, Brazil has great potential for the generation of solar energy. Table 1 presents Brazil's solar irradiance in comparison to Germany, France and Spain. Brazil's least sunny region has an irradiance of around 4.25 kWh/(m²·day), a value 25% higher than the solar irradiation of Germany's sunniest region, 3.42 kWh/(m²·day). Country

The total installed solar power in Brazil was estimated at 48.2 GW at October 2024, which consists of about 20.2% 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 power generation systems in the year 2024. [3]

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La energ a solar fotovoltaica se ha consolidado como una de las principales fuentes de energ a en Brasil, ocupando el segundo lugar en la Matriz El ctrica del pa s con una participaci n del 19,8%.

Solar energy reached 16.4 (GW) of installed capacity and became the third largest source of the Brazilian electricity matrix, according to a survey by the Brazilian Association of Photovoltaic Solar Energy (ABSOLAR).

Web: <https://www.gennergyps.co.za>