

100kWh Photovoltaic Container Used for Base Stations in Brazil





Overview

Can photovoltaic energy be used in Brazil?

Although Brazil has excellent conditions for the generation of photovoltaic solar energy, its energy matrix is still composed of a large amount of fossil sources. There is a lack of studies on the change in GHG emissions by replacing these fossil sources with photovoltaic energy and the investment required for this change.

How can solar energy be used in Brazil?

Government Programs: Initiatives such as the inclusion of solar systems in the “Minha Casa, Minha Vida” program aim to expand access to solar energy for low-income families, promoting social and energy inclusion. The expansion of distributed solar generation significantly contributes to the diversification of Brazil’s energy matrix.

How much money does Brazil need to replace photovoltaic energy?

The investment required for this replacement is estimated at U\$S 376,5 billion. Despite the photovoltaic energy promising type of energy for Brazil, it is still unfeasible for the country to achieve goals in Paris Agreement (0,187 GtCO₂e for 2030).

What is the biggest solar power project in Brazil?

The plant is developed by Enel. 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 of Bahia. Lapa project is made up of 2 plants: Lapa- with an installed capacity of 78 megawatts.



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