

## SolarInnovate Energy Solutions

# Several generators in the Brazilian power station



## Overview

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Which generators are connected to the Brazilian sin?

Other generators connected to the Brazilian SIN are: CHESF, Furnas, Cemig, Electronorte, Cesp, Copel and Eletrobras. We generate electricity in Brazil through Enel Brasil and its subsidiaries Cachoeira and Fortaleza.

How does the Brazilian electricity sector work?

The Brazilian electricity sector is divided into generation, transmission, and distribution. The generators produce the energy, which will be transported by the transmission companies from the point of generation to consumer centers, where the distributors are responsible for delivering it to the consumers' homes.

What is the most used energy source in Brazil?

In Brazil, the most used energy sources are renewable. With great emphasis on hydroelectric power, the main base of our energy matrix. According to 2019 data from the National Interactive Energy Balance, 64.9% of the energy consumed in Brazil comes from a hydraulic source.

How much electricity does Enel Américas produce in Brazil?

The electricity generation of the Group in Brazil reached 3,755 GWh, reaching 0.8% of the total generation in the country (thermal and hydro), where hydroelectric production represented 86% of the total generation of the Enel Américas group in Brazil.

How does energy work in Brazil?

With more than a century of use and with a large installed capacity, the electric energy sector in Brazil has a complex network of transmission lines that runs through Brazil, allowing a family's refrigerator in the interior of São Paulo to work with energy generated by a hydroelectric plant in the north of the country.

What is Brazil's energy matrix?

In addition, to more sustainability, this also generates lower operating costs for plants that choose renewable energy. In addition to hydropower, Brazil's energy matrix is also divided into natural gas (9.3%), wind (8.6%), biomass (8.4%), coal and derivatives (3.3%), nuclear (2.5%), petroleum derivatives (2.0%), and solar (1.0%).

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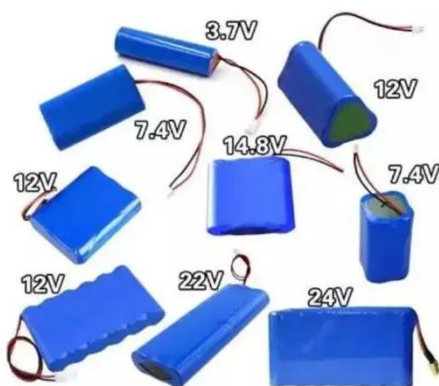


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