

**SolarTech Power Solutions**

# **Paraguayan Electric Energy Storage Company**



## Overview

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How is energy sourced in Paraguay?

Energy in Paraguay is primarily sourced from hydropower, with pivotal projects like the Itaipu Dam, one of the world's largest hydroelectric facilities. This reliance underscores the need for a robust infrastructure, including efficient transmission networks and distribution systems, to leverage the country's renewable resources fully.

What is Paraguay's energy policy?

The policy is expected to enhance Paraguay's energy resilience, foster innovation, and contribute to global sustainability goals. Paraguay has long been known for its reliance on renewable energy. Nearly 100% of its electricity is generated from hydropower, mainly through the Itaipu and Yacyretá dams.

How can Paraguay benefit from solar energy?

Solar energy, in particular, is seen as a vital addition, taking advantage of Paraguay's abundant sunlight to reduce pressure on its hydropower resources. The government also plans to harness bioenergy through biomass and biogases, tapping into organic waste and agricultural byproducts as fuel sources.

Does Paraguay have electricity?

Paraguay's state-owned utility, Administracion Nacional de Electricidad (ANDE), controls the country's entire electricity market, including generation, distribution and transmission. It operates a single hydroelectric dam, Acaray, and six thermal power plants, with total installed capacity of 220 megawatts (MW).

Can Paraguay use natural gas as a transitional energy source?

In addition to its focus on renewables, Paraguay is also looking to natural gas as a transitional energy source. The country's new energy policy includes a

project to integrate natural gas into its energy matrix. This would provide a reliable alternative to hydrocarbons while renewable technologies continue to scale.

Does Paraguay export electricity?

The country has become a significant net exporter of electricity, exporting 53.5% of its total production in the same year, which represents a 54% increase in electricity exports over the same period. Per capita, the electricity consumption in Paraguay was 2.086 MWh in 2021, showing a substantial increase of 127% since 2000.

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