

Uruguay power generation container

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Overview

Installed electricity capacity in Uruguay grew significantly from around 2,500 MW in 2009 to 5,267 MW in 2024. Of the installed capacity, about 29% is , accounting for 1,538 MW which includes half of the c.

Access to electricity in Uruguay is very high, above 98.7%. This coverage is above average for countries with public electricity services. Quality of service is perceived to be good both by companies and residential users. Com.

The National Directorate of Energy and Nuclear Technology (DNTEN) formulates energy-sector policies. The regulatory functions are assigned to URSEA, the regulatory body. Both transmission and distribution.

The state-owned power company Usinas y Trasmisiones Eléctricas (UTE) formed in 1912. First efforts of rural electrification already started in the 1930s. In 1932, the José Batlle y Ordóñez power station located at t.

Is Uruguay a net importer of energy?

Once a net importer of energy, Uruguay now exports its surplus energy to neighbouring Brazil and Argentina. In less than two decades, Uruguay broke free of its dependence on oil imports and carbon emitting power generation, transitioning to renewable energy that is owned by the state but with infrastructure paid for by private investment.

How does the electricity sector work in Uruguay?

The electricity sector of Uruguay has traditionally been based on domestic hydropower along with thermal power plants, and reliant on imports from Argentina and Brazil at times of peak demand.

How much green energy does Uruguay use?

In 2016, even before several more renewables projects went online, it hit 94.5 percent green energy. In 2019, according to an analysis by the Uruguayan company SEG Engineering, the country ran on 98 percent renewable energy.

Why does Uruguay have a power grid?



In the same way Uruguay's abundance of wind and rivers proved fortuitous for energy sovereignty, so was the government's oversight of the electric grid.

Does Uruguay have a Green Power Revolution?

This article appears in the April 2025 issue, with the headline "Uruguay's Green Power Revolution." Much of the vast landscape of Uruguay remains true to its historical image—down to the lone gaucho roaming the pampas. But there have been some notable additions.

How did Uruguay get its power?

It wasn't until the advent of hydroelectric power at the end of the 19th century that the country was able to use its rivers to help meet its power needs. To this day, Uruguay continues to rely heavily on its dams, including the imposing Salto Grande on the Río Uruguay, whose power is shared with Argentina, and several on the Río Negro.



Uruguay power generation container



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[Uruguay, pioneer in renewable energy: a model for the world?](#)

Half of Uruguay's electricity is generated in the country's dams, and 10% percent comes from agricultural and industrial waste and the sun. But wind, at 38%, is the main ...

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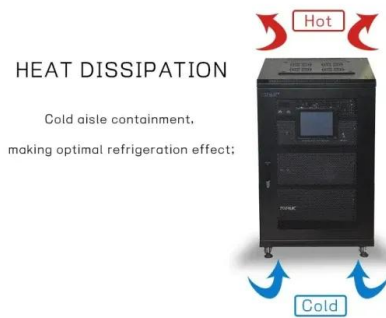


Intech Energy Container

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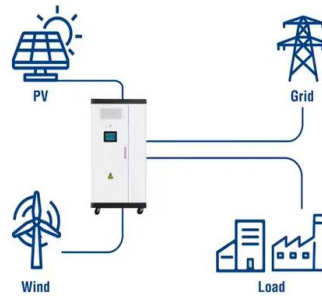


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The Uruguayan electricity system has gone from being a centralized and inflexible hydrothermal system to a geographically distributed system throughout the country, adding wind, solar, and ...

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[Going for Green: Uruguay's Renewable Energy Revolution](#)

Uruguay's green energy revolution, which began in earnest in 2008, has its roots in the origins of the nation. Unlike Argentina and Brazil, its much larger and more famous ...

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BoxPower's hybrid microgrid technology combines solar, battery, and backup power into a modular platform designed for remote and resilient energy.

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[Uruguay Battery Storage and Smart Grids](#)

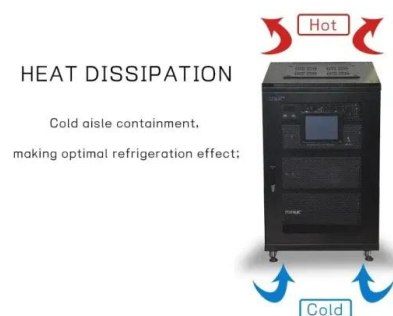
Uruguay advances in the battery storage and smart grid market niches, thanks to a positive regulatory environment and increasing commitment for clean hydrogen.

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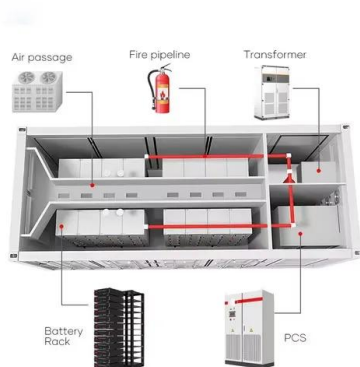
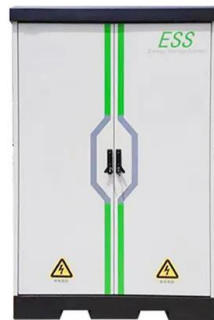
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Electricity sector in Uruguay

The electricity sector of Uruguay has traditionally been based on domestic hydropower along with thermal power plants, and reliant on imports from Argentina and Brazil at times of peak demand.

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