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Uruguay solar power generation and energy storage quotation



Overview

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 solar power?

Legislative support for solar power has existed since 2013 and the total installed capacity of distributed solar generation reached 270 MW in 2022. Uruguay receives an average 1,700 KW per square meter of sunlight a year, on a par with Mediterranean countries although solar represents only a fraction of the country's total electricity production.

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.

Is Uruguay a repeatable framework of energy sovereignty for developing countries?

Ramón Mendéz Galain believes so. Uruguay's former national director of energy in the Ministry of Industry, Energy and Mining, who was the impetus for the country's shift away from dirty fuels, has been promoting the country's success as a repeatable framework of energy sovereignty for developing countries.

Does Uruguay have fossil fuels?

A relatively small nation spanning 175,000 square kilometres (76,568 square miles) with a population of 3.4 million – 96% of whom live in urban centres – Uruguay has no significant fossil fuel reserves. Fortuitously, its geography

makes it ideal for utilizing powerful rivers and uninterrupted grasslands for wind energy.

Why did Uruguay start using wind turbines?

Avoiding nuclear power entirely, Uruguay first embraced wind turbines as a source of cheap, reliable power; providing 40% of the country's capacity in less than a decade.

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