

Uruguay energy storage power generation system





Overview

What is Uruguay's energy strategy?

In 2005, Uruguay initiated a dramatic shift in its energy strategy, moving from petroleum-based electricity generation to renewable sources. In 2024, Uruguay generated 99 percent of its electricity from renewable sources using hydropower (42 percent), wind (28 percent), and biomass (26 percent).

How much solar energy does Uruguay get?

Uruguay receives an average 1,700 KW per square meter of sunlight a year, on par with Mediterranean countries although solar represents only a fraction of the country's total electricity production. Uruguay's Investment Promotion Law offers incentives for investing in solar manufacturing, systems implementation, and solar energy utilization.

Why does Uruguay have a surplus of electricity?

Uruguay generally has a surplus of electricity due to excess wind-power installed capacity. The country seeks to identify additional domestic uses for excess electricity and potentially increase exports to Argentina and Brazil.

Why does Uruguay have a high percentage of biomass energy?

Uruguay's high percentage of biomass energy generation is a result of the cellulose industry's expansion, where energy is generated from wood waste products. Biomass energy producing companies not only use electricity for their own consumption but also sell electricity to the state-owned company UTE.



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