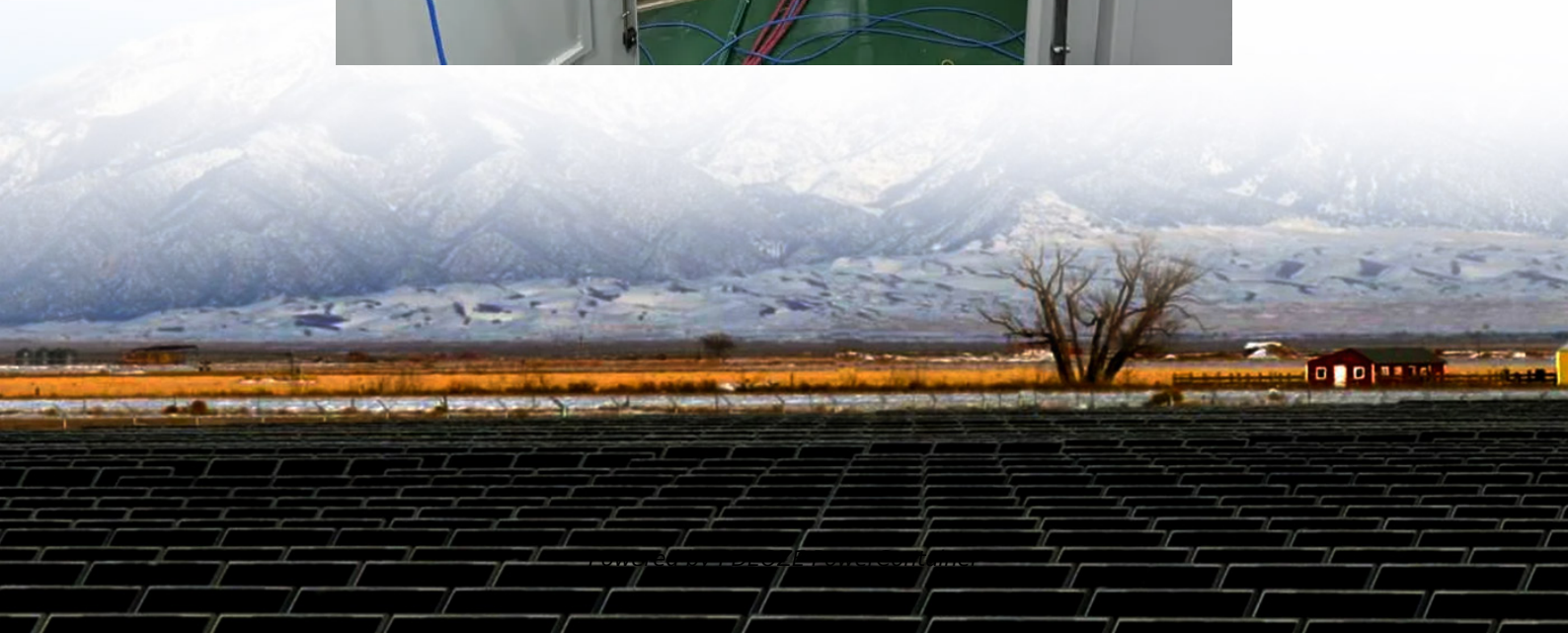


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Uruguay outdoor power supply distribution and wholesale



Overview

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. Investments in renewable energy sources such as wind power and solar power over the preceding 10 years allowed the country to cover 98% of its electricity needs with renewable energy. Electricity supply and demand

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 solar, accounting for 1,538 MW which includes half of the capacity.

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. Companies.

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.

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 electricity does Uruguay export?

However, in the last decade the situation reversed and Uruguay became a net exporter of electricity to its neighbours. In 2024 Uruguay exported 2,026 GWh for 104 million dollars, the years 2019 and 2021 stand out with the highest exports of electricity since 1965 (3,012 GWh and 2,849 GWh, respectively).

How much power does Uruguay have?

Maximum demand on the order of 1,500 MW (historic peak demand, 1,668 MW happened in July 2009) is met with a generation system of about 2,200 MW capacity. This apparently wide installed reserve margin conceals a high vulnerability to hydrology. Access to electricity in Uruguay is very high, above

98.7%.

Is grid-connected wind power a real resource in Uruguay?

According to the National Directorate for Energy and Nuclear Technology (DNETN), grid-connected wind power generation is one of the domestic resources with both medium and long term potential in Uruguay. The government has taken action to promote RE development.

How many CDM projects are there in Uruguay?

As of September 2009, there were only three registered CDM projects in Uruguay, all of them related to energy: the Montevideo Landfill Gas Capture and Flare Project, the Fray Bentos Biomass Power Generation Project and a project on partial substitution of fossil fuels with biomass in cement manufacture.

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