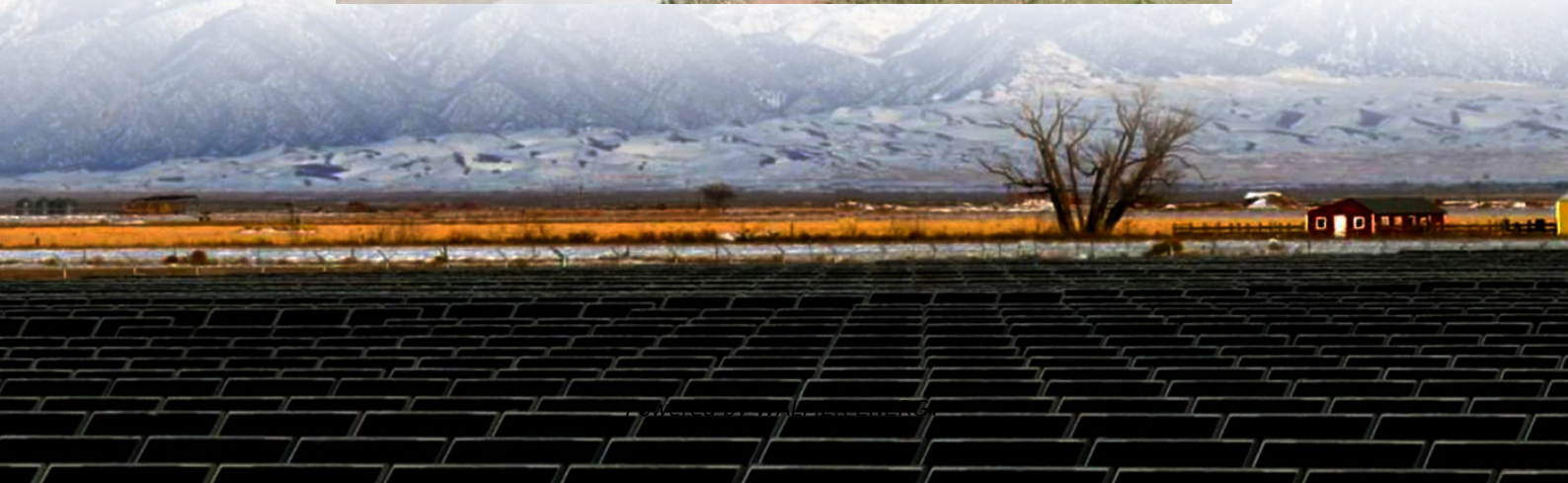


Paraguayan outdoor wind power base station manufacturer





Overview

Why are wind turbines used in Paraguay?

Wind turbines have also been installed for research purposes. Hydropower has traditionally dominated electricity production, accounting for 98.8% of the country's total power generation in 2018 (IRENA, 2021a). In the previous two decades, between 75% and 80% of Paraguay's electricity production was destined for export.

What is the wind potential of Paraguay?

The wind potential of Paraguay is classified as medium to high, with some of the best locations for wind power generation located in Alto Paraguay and Boquerón. In these areas, wind speeds reach an average of 6.5 metres per second per year at an altitude of 80 metres, as shown in Figure 15. Figure 15. Onshore wind speed zoning assessment.

Where can solar power be used in Paraguay?

The existing solar potential can energise community centres and isolated productive areas of the country, particularly in Alto Paraguay, Boquerón and Concepción. The wind potential, identified as medium to high quality, is concentrated in the north-western region, specifically in the department of Boquerón.

What is the energy supply in Paraguay?

Paraguay's energy supply is mostly used for power generation and for obtaining charcoal and alcohols (bioethanol). During the period 2010-2019, electricity exports represented an average of 75.2% of total production. Figure 3. Total energy supply in Paraguay, 2010-2019 Table 2. Table 3. Supply of forest biomass for energy purposes



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