

ContainerPower Energy Solutions

Solar Energy in Bolivia



Overview

The Altiplano plateau in western Bolivia has some of the world's highest and most consistent levels of solar radiation, creating high potential for solar photovoltaic power in the region, but structural challenges may prevent scaling. What is Bolivia's solar electrification project?

This initiative is a testament to Bolivia's commitment to renewable energy and its vision for a more sustainable and equitable future. Bolivia solar electrification project brings clean energy to 20,000 rural families with a \$325M investment. Discover how this bold move powers sustainable growth!.

Why should Bolivia invest in solar energy?

Bolivia's investment in rural electrification through solar energy is a significant achievement with lasting impacts on the country's energy landscape. As the project progresses, it will continue to enhance the lives of thousands of families, support economic development, and contribute to Bolivia's environmental sustainability goals.

How much power does Bolivia produce a year?

Bolivia had an estimated installed generating capacity of 1,365 MW in 2012 and produced an estimated 7.375 billion kWh in 2013. Hydroelectric power plants with a nameplate capacity > 20 MW. Thermal power plants with a nameplate capacity > 80 MW. Bulo Bulu was built by a joint venture of NRG Energy, Vattenfall, and Pan American Energy LLC.

What type of electricity system does Bolivia have?

Like in other countries, Bolivia's electricity sector consists of a National Interconnected System (SIN) and off-grid systems (known as the Aislado). The economic downturn of the late 1990s, coupled with privatization and austerity efforts led by President Mesa, resulted in significant unemployment.

Does Bolivia have a country Factsheet?

Specifically for Bolivia, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

How much natural gas does Bolivia have?

Oil refinery plant in Cochabamba belonging to Brazilian state-owned company Petrobras. The country's natural gas reserves total 27.6 trillion cubic feet (780 km³) according to Bolivian government figures, ranking Bolivia behind only Venezuela in terms of proven natural gas reserves in South America.

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