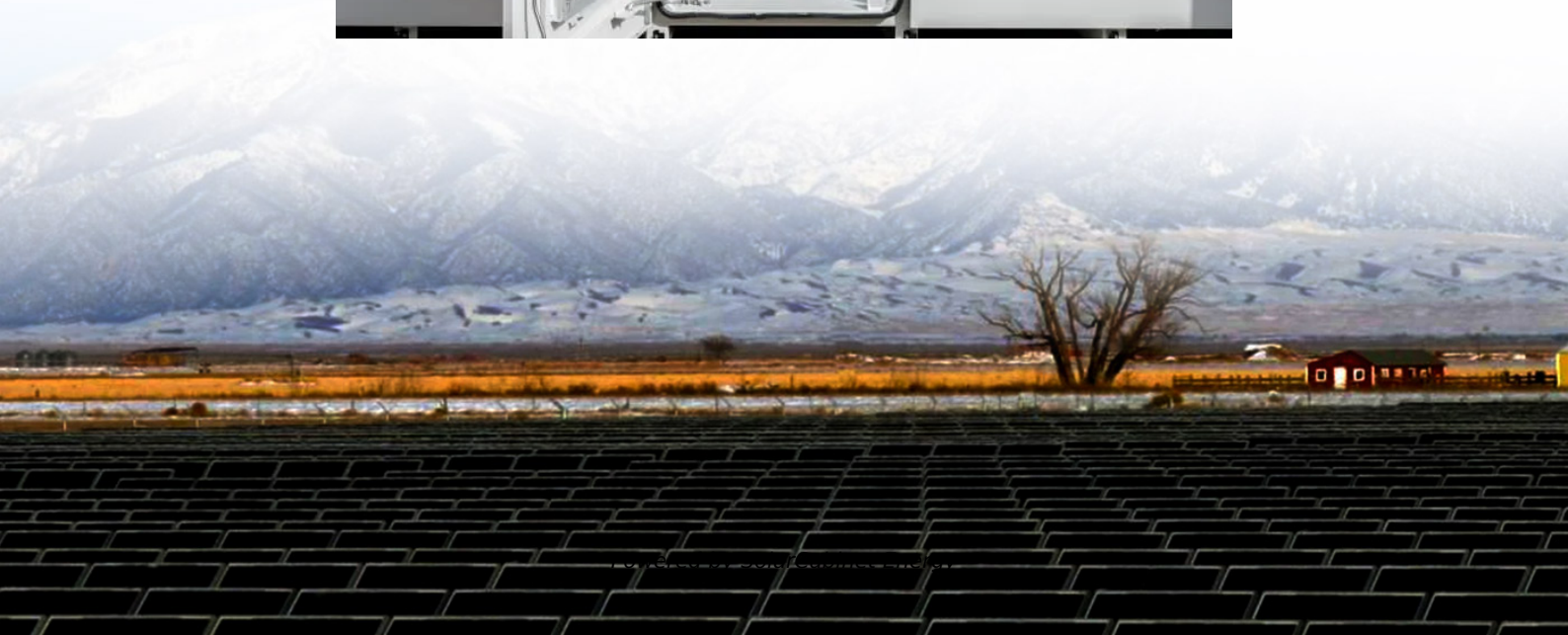


Can Chile source outdoor power





Overview

How is electricity used in Chile?

Electricity can be generated in two main ways: by harnessing the heat from burning fuels or nuclear reactions in the form of steam (thermal power) or by capturing the energy of natural forces such as the sun, wind or moving water. of total generation.

How can Chile improve low-carbon electricity generation?

To enhance its low-carbon electricity generation, Chile could focus on expanding existing technologies like wind and solar, which already play significant roles in its energy mix. Denmark serves as an exemplary model for maximizing wind energy, achieving more than half of its electricity from wind power.

Should Chile invest in solar energy?

As investment in solar energy has been successful in the north of Chile, the focus should be placed on energy storage.

How does Chile benefit from solar energy?

The country benefits from consistently strong winds in mountainous region of Patagonia and some of the world's highest levels of solar radiation in the Atacama Desert. This predictable supply of wind and solar energy has led the Chilean government to estimate that 13% of the world's green hydrogen will be produced within its borders.

Can Chile become an energy exporter?

Chile has abundant renewable energy resources and has experienced fast growth in renewables over the last five years, but the question of whether Chile could become an energy exporter remains. The most suitable areas for wind projects are concentrated in the extreme south, while the best land for solar projects is in the north close to the desert.



Will Chile continue to grow a low-carbon energy portfolio?

Recent increases in hydropower and solar in 2023 and 2024 reflect Chile's ongoing commitment to strengthening its clean electricity portfolio. These trends provide a positive outlook for the continued growth of low-carbon energy in the country. We estimate the degree of electrification by comparing electricity and total energy emissions.



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[Power outages darken Chile, from Santiago to major copper ...](#)

A massive power outage across Chile plunged the country's capital Santiago into darkness and knocked out electricity to major copper mines in the country's north, buffeting global metal markets.

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