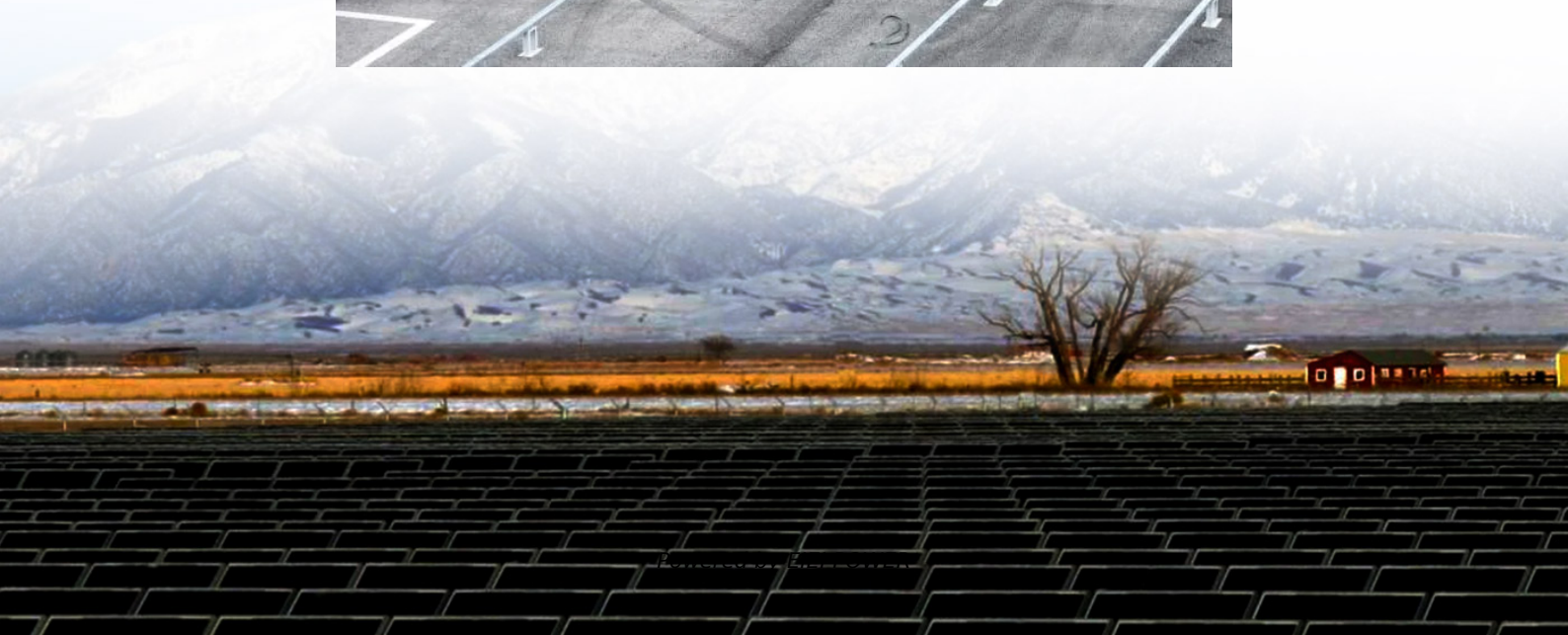


Chilean weather station uses 200kWh photovoltaic container





Overview

How much solar energy does Chile need?

Chile's DNI is 3,800 kWh/m² in the Atacama desert, the world's highest solar resource for CSP projects. The region is not subject to sandstorms. Variable renewables, PV and wind, increasingly supply the grid, and to complement these renewables, flexible dispatchable generation, such as is provided by CSP with thermal energy storage, is needed.

Is Chile ready for a standalone energy storage project?

This project alone nears the capacity (13GWh) the Chilean Ministry of Energy sought in a public land bidding auction for standalone energy storage projects in May of 2024. Chile has been one of the countries at the forefront of the renewable energy transition in Latin America, first with solar PV and now with BESS.

Why is energy storage important in Chile?

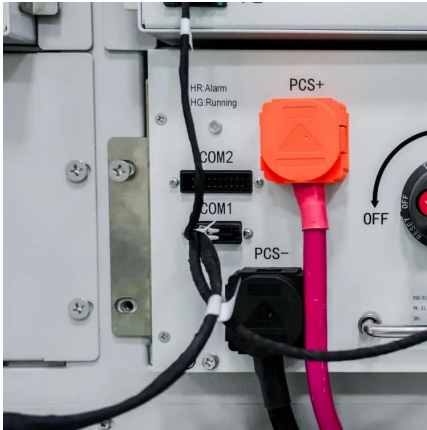
Image: Greenergy Grid constraints have prevented Chile from maximising the potential of its world-class solar resources. Energy storage has, therefore, become a necessity to ensure the financial viability of PV projects, writes Jonathan Tourino Jacobo.

How much energy storage will Chile have in 2024?

During the Energy Storage Summit Latin America (ESS LatAm) in October 2024, Ana Lía Rojas, executive director at the Chilean renewable energy and energy storage association (ACERA), explained how the current levels of curtailment in Chile, which could end up at approximately 5TWh in 2024, could power up to 3.4GW of 4-hour duration energy storage.



Chilean weather station uses 200kWh photovoltaic container

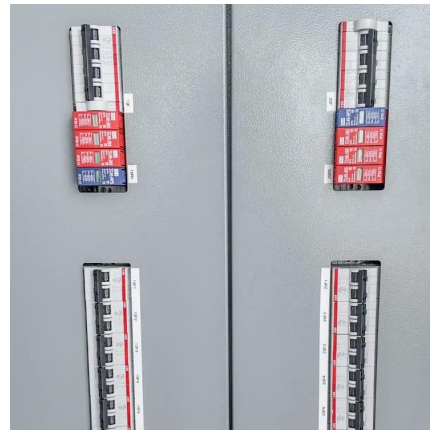


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Chile

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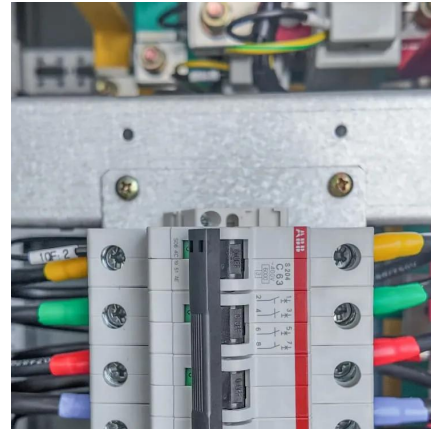
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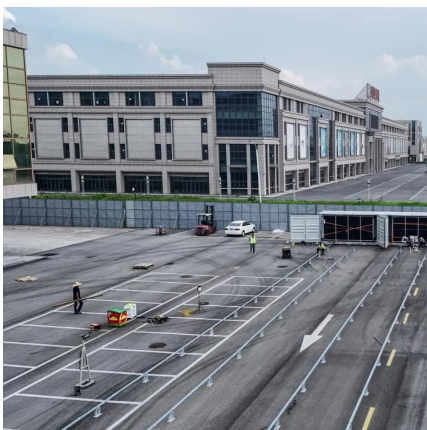
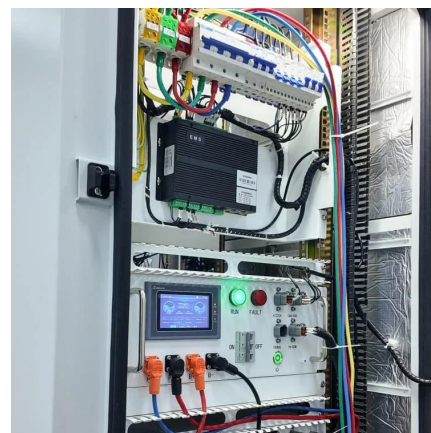


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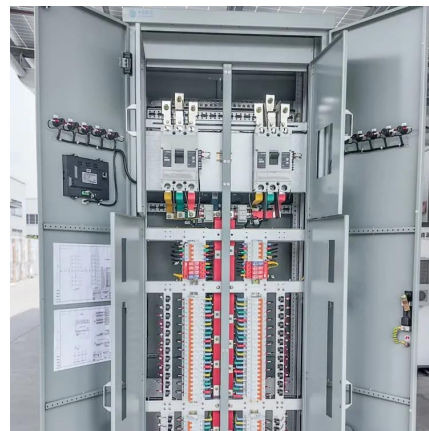


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