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Are battery energy storage systems a viable alternative for Chilean power producers?

With transmission lines at overcapacity and permitting delays slowing the development of new grid infrastructure, battery energy storage systems (BESS) have surged as a profitable alternative for Chilean power producers.

Will Chile be able to develop energy storage projects in 2024?

In 2022, Chile passed an energy storage and electromobility bill, which made stand-alone storage projects profitable, but the market is still expecting new rules on capacity payment for storage projects, which are to be approved in 2024. Chile has also put in place an auction procedure to award public land for the development of BESS projects.

Is lithium ion battery storage available in Chile?

While many projects are under development, lithium-ion battery storage is still limited. According to data from Acera, the Chilean Renewable Energy Association, there are only 64MW of battery storage capacity currently active, representing 0.2% of national capacity.

How many energy storage projects are in Chile?

Currently, 36 of the 129 large-scale Latin America projects with an energy storage component under development are in Chile, including 32 out of 71 of the region's early works projects. The storage technologies either in use or being considered include:

This development immediately stabilizes the power grid in northern Chile, a region critical for mining, by firming up intermittent solar power and ensuring reliable supply.

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With transmission lines at overcapacity and permitting delays ...

In March 2024, Atlas Renewable Energy announced it has signed a power purchase agreement (PPA) with Chilean mining giant Codelco for the supply of 375 GWh of energy per year, to ...



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Discover how a 4MWh BESS container brought industrial energy resilience to Chile's Atacama Desert mines--slashing diesel use by 40%, surviving sandstorms, and earning ISO 50001 cred.

The horizon for energy storage in Chile has never been clearer or more promising. The scheduled regulatory refinements for 2026 will solidify the business case, while the insatiable ...

Energy storage drivers in Chile include curtailment and attractive differences between daytime and nighttime prices, along with industrial demand for clean power around the clock.

o Chile passed an Energy Storage Bill in late 2022 allowing standalone BESS to receive revenue both from arbitrage and from reserve capacity. The government promised to provide further clarity about ...

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Chile will need new renewable energy storage systems to replace its current backup capacity of coal-fired plants and natural gas-powered combined cycle turbines and improve the ...

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