

# Chilean vanadium battery energy storage mainstream



## Overview

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Chile has achieved a remarkable milestone in renewable energy storage, with battery storage systems delivering 315 gigawatt-hours to the national grid during the first eight months of 2025. A nationwide blackout left 90% of the population without power for nearly seven hours. This . As renewables scale up, the need to store energy is increasing. It proposed a law to allow the tender of 2 GW of BESS at a \$2 billion cost. Ensuring projects are paid for injecting power into the grid during peak periods has supported growth, and ambitious battery energy . Recognizing the complex interplay of challenges and opportunities, Fluence has emerged as a key player in Chile's energy transition, offering cutting-edge battery storage solutions that address the multifaceted needs of the country's evolving power system. Through strategic partnerships, Fluence has .

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### [Chile's battery output leaps to 315 GWh in first eight months of 2025](#)

Chile's big batteries have made significant contributions to the national grid during 2025 according to figures from an energy consultancy. Battery energy storage systems (BESS) accounted

### [Chile inaugurates its largest standalone battery energy storage project](#)

Chile Energy Minister Diego Pardow was present at the inauguration of the 200 MW/800 MWh BESS del Desierto, a project its developers describe as the first large-scale standalone energy



### **How Energy Storage is Powering Chile's Sustainable Future**

This world-first installation played a vital role in stabilizing the grid in Northern Chile and demonstrated the potential of battery storage to enhance grid reliability and free up generation capacity.

### [Battery storage: The missing link in the renewable energy transition](#)

Fortunately, the missing link is no mystery; energy generated must be stored, and Battery Energy Storage Systems (BESS) is the technology poised to bridge the gap.





## Battery Energy Storage Systems (BESS) in Chile

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

### [Chile Energy Storage Market 2026: The Definitive Technical Blueprint](#)

With over 1,700 MW of batteries already in operation, approximately 600 MW in testing, and an additional 846 MW / 2,872 MWh in commissioning, the Chilean energy storage market has



## Chile's Battery Storage Soars to 315 GWh in 2025

This rapid battery storage expansion in Chile demonstrates how clean energy technology can create more sustainable power systems for future generations. Chile's battery output exploded

## Chile moves on storage to 'decarbonize the night'

Chile has emerged as a world leader in hybrid systems and standalone energy storage since implementing its Renewable Energy Storage and Electromobility Act in 2022.



## Chile advances regulation to support ambitious storage goals

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

## **Energy storage is a challenge and an opportunity for Chile**

Elsewhere, Chinese battery maker BYD has signed an agreement with Spanish firm Greenergy to provide its batteries for a USD 1.4 billion energy storage facility in the Atacama Desert,



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