

Global PV Storage Insights

Expected ROI of commercial energy storage project in Chile 2025



Overview

How many energy storage projects are in Chile?

According to a December 2023 publication on the InvestChile website, the country had 23 approved energy storage projects with a total of 3,000 MW of capacity. Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO₂.

How can Chile keep up with the changing energy demand landscape?

Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO₂. In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations.

Why are project finance transactions increasing in Chile?

Fitch Ratings-Sao Paulo/New York-01 April 2025: Project finance transactions in Chile are expected to increase due to the recent commissioning of large battery energy storage systems (BESS), Fitch Ratings says. This should balance electricity supply and demand while reducing price volatility for renewable energy generators.

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.

How much battery storage does Chile have?

Chile has an operational installed capacity of approximately 1GW in batteries, and another 3GW is under construction. Battery storage has been largely financed by bank lending in recent years, but we believe larger projects could

increase the scope for bond financing.

Will new solar assets in Chile have storage components?

New utility-scale renewable and PMGE assets in Chile (most of which are distributed solar plants smaller than 9 MW) will likely all have storage components moving forward.

Expected ROI of commercial energy storage project in Chile 2025



U.S. energy storage installations grow 33% year-over ...

Image: Wood Mackenzie / ACP Grid-scale storage deployments alone are expected to reach 13.3 GW in 2025. Across all segments, Wood Mackenzie expects 15 GW of storage deployments, growing another 25% over ...

Greenergy puts hybrid solar-storage projects in Spain, ...

Spanish independent power producer (IPP) has unveiled two new solar-plus-storage projects, one in Central Chile and the other in Spain.



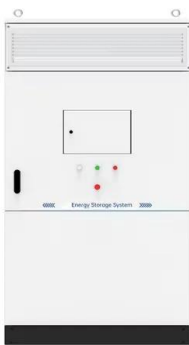
Global Energy Storage Market Outlook

Battery costs have fallen dramatically owing to scale and investment of automotive sector Note: Battery price is benchmark price for an LFP energy storage module in the United States Data ...

Large scale battery storage on the rise in Chile

Last week, three different developers announced separate large-scale battery energy storage

(BESS) projects collocated with solar farms in Chile. Enel Chile, the local ...



Atlas Renewable Energy - Powered by Excellence

Santiago - April 21, 2025 - Atlas Renewable Energy, an international leader in renewable energy solutions, secured the largest financing in its history for Estepa, a hybrid solar photovoltaic and ...

Solar, battery storage to lead new U.S. generating capacity

...

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already ...



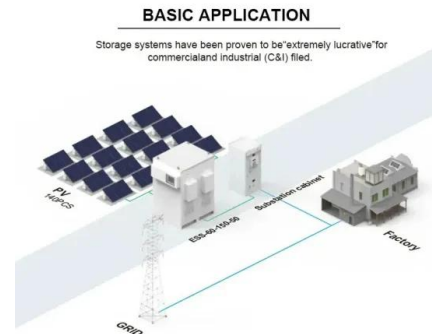
2025 Predictions for the Energy Storage Sector ...

Energy storage deployment across North America broke records in 2024, driven by falling battery prices, increased system efficiencies, and growing market opportunities. Globally, energy storage deployment increased ...

US Energy Storage Costs Expected to Decrease in 2025,

...

Lazard Reports on US Energy Storage Cost Reductions in 2025 According to Lazard, the levelized cost of storage (LCOS) for battery storage in the United States has ...



Chile BESS news: Atlas, Canadian Solar, Colbun, Metlen, Glenfarne

Colbun's solar project where the BESS will be deployed. Image: Colbún S.A. A trio of major announcements in the grid-scale BESS market in Chile, with Canadian Solar ...

Chile: AES Andes begins construction on co-located energy storage

According to environmental filings, Pampas represents an \$800 million investment, while Cristales is estimated at \$710 million. Commercial operations are expected ...



Atlas Renewable Energy Secures \$510 Million Financing for ...

The project also includes two battery storage projects with a 418 MW capacity, equivalent to four hours of energy generation. The project is expected to begin commercial ...

Chile Energy Storage Industry Holds Promise , EMIS

The project is Atlas Renewable Energy's first foray into battery storage technology, which the company sees as essential for increasing the share of renewable energy ...



Large scale battery storage on the rise in Chile

Last week, three different developers announced separate large-scale battery energy storage (BESS) projects collocated with solar farms in Chile. Enel Chile, the local subsidiary of Italian energy company Enel, said it will ...

Latin America's largest solar-plus-storage project goes online

The ContourGlobal developer owned by US-based investment giant KKR has inaugurated the Quillagua solar-plus-storage plant in the María Elena commune of Chile's ...



CHILE

Energy storage has played a key role in ensuring the stability of the country's electrical system, with over a dozen projects under construction and an investment exceeding US\$4 billion.

CIP starts construction on 1.1GWh standalone BESS in Chile

Construction of the standalone project is expected to start in the first quarter of 2025 and powered as soon as Q1 2026, and will be one of the first projects of its kind to reach ...



Energy Storage Rides a Wave of Growth but Uncertainty ...

With developers continuing to add new capacity, including 9.2 GW of new lithium-ion battery storage capacity in 2024 through November 2024 and comparable levels of growth expected ...

Chile makes progress on energy storage with 20

The technological diversity of energy storage projects in Chile is remarkable. From battery storage systems to innovative projects with gases such as CO₂, the country is exploring different solutions to meet changing energy demands.



Energy storage is a challenge and an opportunity for ...

The sharp growth in renewable energy production, and the pursuit of ambitious global targets on new capacity, bring with them a significant challenge, alongside huge potential for the storage market's expansion. The ...

US deployed 11.9GW of storage in 2024, 18.2GW ...

PV arrays at Gemini Solar + Storage. CATL provided the BESS containers and IHI Terrasun served as system integrator. The project was one of the largest to come online in the US last year. Image: Primergy. BESS ...



Copenhagen Infrastructure Partners takes FID and commences ...

Copenhagen Infrastructure Partners takes FID and commences construction on 1,100 MWh battery energy storage project in Chile Project Arena, a 220 MW / 1,100 MWh ...

Chile Energy Storage Industry Holds Promise , EMIS

The northern regions of Antofagasta and Atacama account for nearly 5GW of the BESS pipeline. All recent developments point to the fact that the Chilean market is ripe for ...



AES Andes Launches Major 211MW Solar Project in Chile

AES Andes has commenced commercial operations for its 211MW Andes Solar Park IV project in Antofagasta, Chile. The park also includes a 130MW battery energy storage ...

SUSI Partners adds 22 BESS projects in Chile to portfolio

SUSI Partners, through its SUSI Energy Transition Fund (SETF), has agreed to fund the development of a battery energy storage portfolio in the central-southern area of Chile. ...



Global Energy Storage Growth Upheld by New Markets

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, the sector continues to grow as developers ...

US deployed 11.9GW of storage in 2024, 18.2GW coming in 2025

PV arrays at Gemini Solar + Storage. CATL provided the BESS containers and IHI Terrasun served as system integrator. The project was one of the largest to come online in ...



Energy storage is a challenge and an opportunity for Chile

The sharp growth in renewable energy production, and the pursuit of ambitious global targets on new capacity, bring with them a significant challenge, alongside huge ...

Chile Focuses on Solar and Storage as Generation ...

Chile is rapidly moving to build more power generation capacity, with much of that effort focused on renewable energy resources and battery energy storage systems (BESS). The country as part of

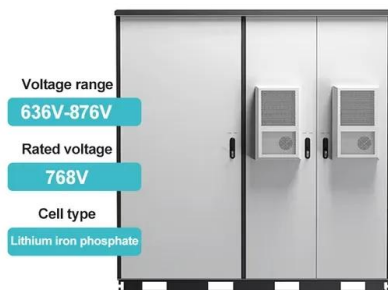


U.S. Solar and Energy Storage Set for Major Growth ...

According to the Solar Energy Industries Association (SEIA), the U.S. solar market grew by 51% in 2023, and similar strong growth is expected in 2025. By 2034, the High Case scenario shows a 17% increase in solar ...

Energy storage safety and growth outlook in 2025

Looking ahead: Keys to success Several factors will define the energy storage market in 2025: the continued dominance of LFP chemistry and its downward impact on pricing, increased utility demand for integrated ...



Energy Storage Industry Trends: C& I Energy Storage Market Outlook to 2025

With the transformation of the global energy structure and the rapid development of renewable energy, the commercial and industrial energy storage (C& I ESS) market will see ...

Chile to become second-largest battery market in ...

Chile is now on track to become the second-largest battery market in the Americas, following the United States. As of this year, the Latin American nation has switched on 12 storage projects, with



Canadian Solar's e-STORAGE to Supply 912 MWh BESS for ...

José Ignacio Escobar, CEO of Colbún, stated that the partnership with e-STORAGE positions Colbún as a leader in Chile's energy storage market, supporting a reliable ...

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