

## SolarMax Energy Systems

# What is Chile s first energy storage project



## Overview

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Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the planning stage. Where are Chile's battery energy storage facilities located?

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the planning stage. The greatest installed capacity is found in the northern regions of Antofagasta and Tarapacá, the country's solar powerhouses.

How many energy storage projects are in Chile?

Currently, 36 of the 129 large-scale projects 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:.

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.

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 CO<sub>2</sub>. In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations.

Why is Chile pursuing energy storage in Antofagasta?

Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April 2024. Chile has strong conditions for wind and solar energy, and is pursuing storage to help overcome intermittent supply (Image: Ximena Navarro / Dirección de Prensa, Presidencia de la República de Chile).

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.

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### Chile Energy Storage

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 ...

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### CSI Energy Storage Secures EPC Contract for 98 MW/312 MWh ...

Canadian Solar's energy storage subsidiary, CSI Energy Storage, announced on October 1, 2024, that it had secured an engineering, procurement, and construction (EPC) ...



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### Chile Leads Latin America with the Largest Battery Energy Storage

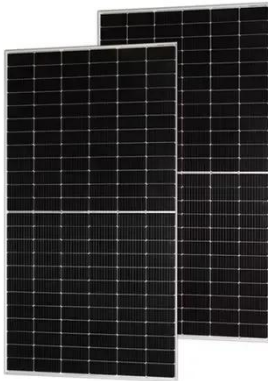
This milestone marks a pivotal moment in the country's transition toward a sustainable and resilient energy future. The Desert BESS Project, developed by Atlas Renewable Energy, ...

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

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the ...

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## Chile: BESS as an answer to solar curtailment, grid ...

The current wave of excitement around Chile's BESS market started in October 2022, when the Chilean government passed legislation that ...

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## Transelec constructing 420 MWh Chilean battery

Transelec, Chile's leading electricity transmission company, has announced the start of construction on its first energy storage contract. The ...

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## Eoliasur wins environmental approval for US\$135 million, 200 ...

1 day ago · Argentina-based Eoliasur (Flexen) has secured environmental



approval for its 200 MW Charruana battery energy storage project in Chile's Biobio region, representing a US\$135 ...

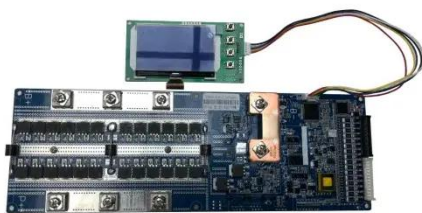
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## Chile Energy Storage Industry Holds Promise , EMIS

In November 2023, Spain-based Grenergy announced it would build a USD 2.6bn BESS in Chile's northern region of Atacama. Construction works are expected to be ...

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## CIP Greenlights 220MW Battery Storage Project in Chile

Ole Kjems Sorensen, partner at CIP, emphasized the significance of the project as CIP's first energy storage investment in Chile, describing it as a cornerstone of their strategy in ...

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## 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 CO<sub>2</sub>, ...

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## Chile inaugurates its largest standalone battery energy storage ...

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 ...

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## Engie Chile builds 68-MW/418-MWh BESS for solar ...

Chilean utility Engie Chile announced on Wednesday that it has started the assembly of a 68-MW/418-MWh battery energy storage system ...

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## CIP begins construction of energy storage project in ...

The Arena BESS project will be one of



the first large-scale energy storage facilities in the country. It will be located in the Antofagasta region, an ...

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## Top five energy storage projects in Chile

Global energy storage capacity was estimated to have reached 36,735MW by the end of 2022 and is forecasted to grow to 353,880MW by 2030. Chile had 91MW of capacity in ...



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## IS CHILE THE FUTURE OF ENERGY STORAGE

Chile's energy storage needs 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 ...

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## Engie breaks ground on 199 MW/995 MWh solar-plus-storage Chilean project

The Chilean arm of French energy giant



Engie has begun construction of the Libélula solar-plus-storage project and expects commercial operation before September next ...

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## **CIP starts construction on 1.1GWh standalone BESS in Chile**

As frequent readers of Energy-storage.news might know, the majority of BESS projects built and in construction in Chile are paired with a solar PV project. Although a ...

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## **CIP Greenlights 220MW Battery Storage Project in Chile**

The Arena BESS project is set to become one of the first large-scale storage systems in the country and will help shift excess solar energy generated during the day to ...

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## **Chile Leads Latin America with the Largest Battery Energy ...**



This milestone marks a pivotal moment in the country's transition toward a sustainable and resilient energy future. The Desert BESS Project, developed by Atlas Renewable Energy, ...

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## BYD to power world's largest energy storage system in Chile

• ...

BYD has signed an agreement with Spain's Greenergy to provide renewable energy power facilities using its blade-shaped batteries for a \$1.4 billion energy storage operation in ...



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## Greenergy Speeds Up Construction of World's Largest ...

Spain's Greenergy Renovables and Asia's BYD, a manufacturer of electric vehicles and battery energy storage systems (BESS), have extended ...

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## Chile Cloud Energy Storage Industrial Park Factory Operation ...

NEC Chile's head of business development for smart energy in Latin America, Herwig Ragossnig, said he hoped this would be the "first step for a long lasting cooperation for the development of ...

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## **Engie breaks ground on 199 MW/995 MWh solar-plus ...**

The Chilean arm of French energy giant Engie has begun construction of the Libélula solar-plus-storage project and expects commercial ...

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## **Chile inaugurates its largest standalone battery energy storage project**

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## **CIP begins construction of energy storage project in ...**

This is CIP's first energy storage project in Chile, but it is part of the company's

broader strategy to invest in renewable energy across Latin ...

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## CIP building 1.1 GWh standalone battery storage project in Chile

The 220 MW/1.1 GWh site is CIP's first energy storage project in Chile. Founded in 2012, CIP focuses on investment in energy storage, transmission, and distribution; wind, solar, ...

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## Chile makes progress on energy storage with 20+ approved projects

The technological diversity of energy storage projects in Chile is remarkable. From battery storage systems to innovative projects with gases such as CO<sub>2</sub>, the country is exploring different ...

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## CIP begins construction of energy storage project in Chile

The Arena BESS project will be one of the first large-scale energy storage facilities in the country. It will be located in the Antofagasta region, an important area for solar power ...

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