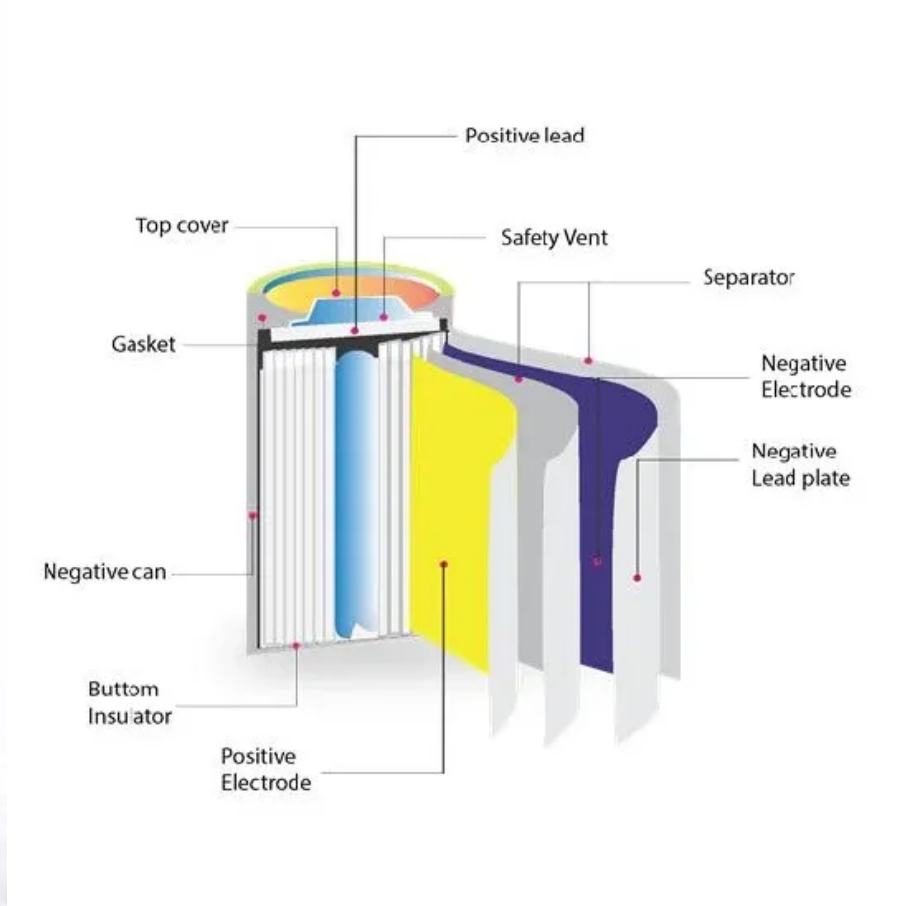


## SolarMax Energy Systems

# Chile s first batch of energy storage power station companies



## Overview

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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 CO<sub>2</sub>.

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.

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.

Does Engie Chile have a lithium-ion battery storage system?

Engie Chile, meanwhile, has two lithium-ion battery storage systems in operation, with a total capacity of 141 MW. At the beginning of next year, the

company will inaugurate a 264 megawatt-hour, 96-battery facility, taking its total BESS portfolio in Chile to 371 MW.

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)

## Chile s first batch of energy storage power station companies

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### Renewable energy projects that are changing the face ...

The plant has the capacity to produce energy equivalent to the energy supply for 174.000 homes and is owned by First Solar, a US-based company. Putaendo ...

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### Chile makes progress on energy storage with 20

With 23 energy storage projects already approved, totaling an impressive 3,000 MW of capacity, Chile is at the forefront of innovation and efficiency in the region.

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### Chile Focuses on Solar and Storage as Generation ...

California-based Nextracker, along with ENGIE Chile, in May announced an energy initiative called PV and BESS Libélula, which consists ...

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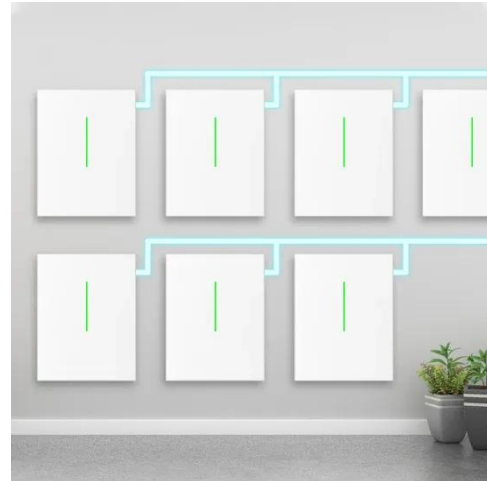


### CIP starts construction on

## 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 ...

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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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## In Chile, ENGIE starts commercial operation of the largest Battery

ENGIE obtained approval from the National Electricity Coordinator (CEN) to start commercial operation of BESS Coya, the largest battery energy storage system in Latin America to date. ...

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## Zelesra secures 220MW/1GWh solar-plus-storage ...

Spanish renewables developer Zelesra



has signed a long-term power purchase agreement (PPA) with gas provider Abastible for a solar-plus ...

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

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

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## Canadian Solar to deliver 912 MWh battery energy ...

Canadian Solar signed a contract with Colbún, one of Chile's leading power generation companies, to supply a 228 MW/912 MWh battery ...

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## Enel Chile begins commercial operation of its first ...

This cluster integrates bifacial photovoltaic generation and storage technologies, enabling the company to

advance its efforts in implementing ...

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## Our history

Virtual Reservoir, the world's first energy storage system starts operation, integrated with a run-of-river hydro power plant, Chile. Andes Solar II-A, the most efficient photovoltaic plant in the ...

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## Our history

Start of commercial operation of Andes Solar IV (211 MW photovoltaic - 130 MW of energy storage for 5 hours). Andes Solar IIB wins first place in the OLADE Energy Excellence Award. ...

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

With 23 energy storage projects already approved, totaling an impressive 3,000





MW of capacity, Chile is at the forefront of innovation and efficiency in the region.

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## Greenergy Signs a New Agreement With BYD Energy Storage

Greenergy has signed a new agreement with BYD Energy Storage, a global energy solutions provider, for the supply of 3.5 GWh in energy storage systems to be installed in the ...



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## Chile's desert power plant promotes energy transition

Recently, the battery energy storage system (BESS) del Desierto (desert energy storage power station) developed by Atlas Renewable Energy was officially completed and put ...

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## 3 CHILE 200928-GIZ-Chile-Exec Summary-v6-English-corrected

The document discusses repurposing



existing coal-fired power plants in Chile into thermal storage plants that can be charged by renewable energy. It analyzes the technical feasibility and costs ...

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## Chile Energy Storage Industry Holds Promise , EMIS

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, ...

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## List of energy storage power plants

This is a list of energy storage power plants worldwide, other than pumped hydro storage. Many individual energy storage plants augment electrical grids by ...

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## Enel Chile begins commercial operation of its first BESS system ...

This cluster integrates bifacial

photovoltaic generation and storage technologies, enabling the company to advance its efforts in implementing 100% renewable energy ...

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## Chile Focuses on Solar and Storage as Generation Capacity ...

California-based Nextracker, along with ENGIE Chile, in May announced an energy initiative called PV and BESS Libélula, which consists of a hybrid park of photovoltaic panels ...

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## In Chile, ENGIE starts commercial operation of the ...

ENGIE obtained approval from the National Electricity Coordinator (CEN) to start commercial operation of BESS Coya, the largest battery energy storage ...

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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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### **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 ...

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### **AES combines battery energy storage with a traditional power plant**

This project builds on the success of an initial partnership between the two companies, both subsidiaries of the AES Corp., to develop a 12 MW energy storage system ...

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### **CIP building 1.1 GWh standalone battery storage ...**



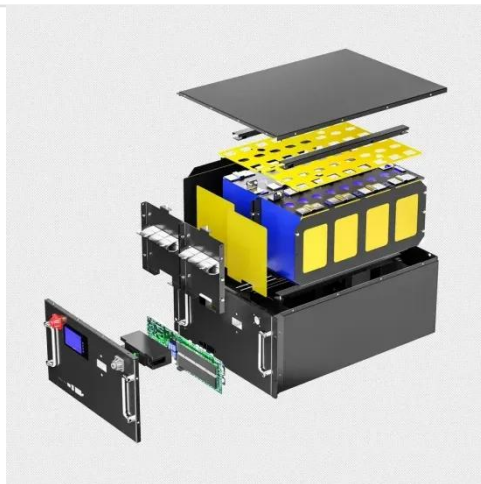
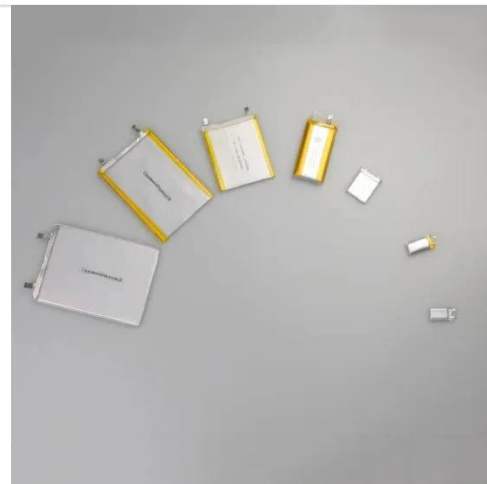
Copenhagen Infrastructure Partners (CIP) has approved a final investment decision and started construction of the Arena battery energy ...

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## Chile's desert power plant promotes energy transition

Recently, the battery energy storage system (BESS) del Desierto (desert energy storage power station) developed by Atlas Renewable Energy ...

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## Enel's Power Plants in Chile

A total of 3,665 MW comes from hydroelectric power plants, 1,965 MW from thermal power plants that operate using gas or fuel oil, 2,073 MW from solar power plants, 903 MW from wind ...

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