

Is Chile ready for a standalone energy storage project?

This project alone nears the capacity (13GWh) the Chilean Ministry of Energy sought in a public land bidding auction for standalone energy storage projects in May of 2024. Chile has been one of the countries at the forefront of the renewable energy transition in Latin America, first with solar PV and now with BESS.

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.

Why is energy storage important in Chile?

Image: Greenergy Grid constraints have prevented Chile from maximising the potential of its world-class solar resources. Energy storage has, therefore, become a necessity to ensure the financial viability of PV projects, writes Jonathan Tourino Jacobo.

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.

How much energy storage will Chile have in 2024?

During the Energy Storage Summit Latin America (ESS LatAm) in October 2024, Ana Landa, executive director at the Chilean renewable energy and energy storage association (ACERA), explained how the current levels of curtailment in Chile, which could end up at approximately 5TWh in 2024, could power up to 3.4GW of 4-hour duration energy storage.

Should energy storage be a luxury asset in Chile?

Having energy storage in Chile is no longer a luxury asset but has become an "absolute necessity", explains Alejandro McDonough, business development manager of Americas area sales at Wärtsilä Energy Storage and Optimisation (Wärtsilä ES&O).

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 Latin America.

Cerro Dominador, Latin America's first concentrated solar power (CSP) plant. Located in the Atacama Desert (in the Antofagasta Region), this has become ...

These contracts, signed in early 2025, involve the implementation of 190.5 MWp of solar power capacity and over 2,500 MWh of battery energy ...

Discover how solar and storage projects by Zelestra are shaping Chile's grid, enhancing reliability, and driving Chile's energy transition.

Chile is making significant strides in harnessing its abundant solar energy potential, yet it faces critical challenges such as solar curtailment and ...

Construction is already underway at Aurora, which will generate approximately 600 GWh of renewable electricity per year, equivalent to the annual consumption of 200,000 ...

The Quillagua solar-plus-storage installation, located in Chile's Antofagasta region, is a 221-MW solar photovoltaic plant with 1.2 GWh of ...

Zelestra has contracted Sungrow to supply battery storage technology for a 1 GWh system at the Aurora project in Chile's Tarapacá region. The agreement covers ...

Engie Chile's Tamaya photovoltaic plant, in the commune of Tocopilla. | Image: Engie Energía Chile
erano Energy has secured environmental approval to develop and ...

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Concentrating solar power plants with thermal storage (CSP-TES) and battery energy storage systems (BESS) have shown to possess technical characteristics compatible ...

Read news, features and columns about the growing interest in energy storage in the power generation sector on the Power Engineering ...

Located in the solar hotbed region of Atacama in northern Chile, the Domeyko project will have an 83MW solar PV capacity and 660MWh battery energy storage system ...

EPC firm CJR Renewables and inverter and battery energy storage system (BESS) manufacturer Sungrow will together deploy a ...

Since Chile's electrical networks are still in the developmental stages, ENGIE is stepping in to combine

batteries with photovoltaic panels in order to store the surplus of ...

The energy challenge in Chile has reached a crucial point in its transition to more sustainable energy sources. Initially, Chile sought to ...

However, in recent years, Chile has been facing some serious issues: curtailment and marginal costs nearing zero. With solar project owners needing to find a solution to make ...

Zelestra has secured \$282mn financing from Natixis CIB, BNP Paribas and BCI for its Aurora project, combining a 220 MWdc solar plant and 1 GWh storage capacity in the ...

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EPC firm CJR Renewables and inverter and battery energy storage system (BESS) manufacturer Sungrow will together deploy a 200MW/880MWh BESS project at a solar PV ...

Located in the solar hotbed region of Atacama in northern Chile, the Domeyko project will have an 83MW solar PV capacity and 660MWh ...

Greenergy has raised financing for the fourth phase of a project in Chile set to feature 11GWh of battery storage capacity when completed.

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Chile electric vehicle energy storage The Senate of Chile has unanimously passed major legislation which will incentivise the deployment of energy storage and electric vehicle (EV) ...

The BESS would have four hours of energy storage capacity. The proposed project would feature 385,336 bifacial monocrystalline photovoltaic modules, organized in ...

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