

# Application of professional energy storage lithium batteries in 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.

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.

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 are Chinese companies investing in Latin America's lithium batteries?

Chinese companies are the world's leading producers of lithium batteries, and have shown increasing interest in Latin America's vast lithium reserves - including in Chile - to supply its own juggernaut clean energy industries that are key to transitions in China and abroad.

Could lithium-ion batteries be the future of energy storage?

Today, energy can be stored in multiple ways, including using banks of large-scale batteries, which can store electricity before it is injected back into national grids. Though lithium-ion batteries are the most efficient on the market, the wider use of lead or sodium alternatives could be just around the corner.

The performance of lithium battery energy storage systems may vary in different application scenarios, mainly reflected in aspects such as energy density, cycle life, safety, and cost. The ...

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