

## SolarInnovate Energy Solutions

# Bolivia energy storage lithium iron phosphate battery



## Overview

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Where is the largest lithium-ion battery storage system in Bolivia?

The site in the municipality of Baures, Bolivia. Image: Cegasa. The largest lithium-ion battery storage system in Bolivia is nearing completion at a co-located solar PV site, with project partners including Jinko, SMA and battery storage provider Cegasa.

Is there a lithium trove in Bolivia?

Our Standards: The Thomson Reuters Trust Principles. On Bolivia's Salar de Uyuni, a vast white salt flat that feels almost otherworldly, Karina Quispe is watching from the sidelines a global resource race for the world's largest - and almost untapped - trove of battery metal lithium.

How much lithium does Bolivia have?

Bolivia has 21 million t of lithium resources, more than any other country, according to the US Geological Survey. YLB does extract some lithium using conventional brine evaporation but so far hasn't achieved large-scale production. Neighboring Argentina and Chile, meanwhile, together account for close to 40% of the world's lithium production.

Will Bolivian lithium project hit a target?

It's unlikely the project will hit that target, says Andy Leyland, founder of the battery supply chain consultancy SC Insights. He says local opposition and changes in political leadership have stopped Bolivian lithium projects in the past, and those factors remain a challenge for this venture.

Can YLB mine Bolivia's lithium?

In 2021, YLB started soliciting proposals to mine Bolivia's lithium using direct lithium extraction (DLE), a set of technologies that use sorbents, membranes, or other materials to chemically remove lithium from salty brines. It received submissions from companies in Argentina, China, Russia, and the US.

Could CATL extract 90% of lithium from brines?

At a press conference in La Paz, Bolivia, the group didn't reveal much information about its technology but claimed it could extract 90% of the lithium from brines. Leyland says it's worth noting that CATL is the world's largest lithium chemical consumer, and the company is highly motivated to secure supplies to fuel its battery business.

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51.2V 150AH, 7.68KWH

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