

## A-Core Container

# Chile lithium-ion battery cabinet



## Overview

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How important is lithium ion to Chile's economy?

The metal's strategic value has increased exponentially with the electric vehicle (EV) revolution, as lithium-ion batteries require 8-10 kilograms of lithium carbonate per vehicle. Chile's Economic Development Agency estimates that lithium exports contributed \$5.1 billion to the national economy in 2024, representing 9.3% of total mineral exports.

Is lithium a critical energy resource in Chile?

The global and regional significance of lithium as a critical energy resource is examined. The evolution of Chile's lithium industry is analyzed, emphasizing two recent key policy initiatives: the 2015 National Lithium Commission report and the newly launched national lithium strategy. The salient features of these initiatives are outlined.

What is Chilean lithium used for?

Chilean lithium plays a pivotal role in global battery manufacturing chains, supplying approximately 30% of the world's lithium carbonate equivalent. The metal's strategic value has increased exponentially with the electric vehicle (EV) revolution, as lithium-ion batteries require 8-10 kilograms of lithium carbonate per vehicle.

Who owns the lithium industry in Chile?

Currently, the primary players in Chile's lithium industry are SQM, accounting for approximately 65% of production, and Albemarle, holding 35%. Both companies operate in the Salar de Atacama, where they control 34% of the world's lithium supply, equivalent to approximately 44 000 tons.

Is lithium a mineral in Chile?

In essence, lithium has a unique status in Chile, similar to hydrocarbons. Under Chilean law, lithium is considered a strategic mineral belonging to the

state of Chile, and exploration and operations can only be carried out under special operation contracts (CEOL). 3.2. Companies exploiting lithium in the Salar de Atacama.

Are there safety cabinets for lithium ion batteries?

There are safety cabinets that are used exclusively for the passive storage of batteries, as well as those that allow both the storage and charging of lithium-ion batteries. ION-LINE passive storage safety cabinets offer a standard 90-minute fire resistance rating both from the outside to the inside and vice versa.

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