

# **Chile outdoor power bms system**





## Overview

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What is the future of battery storage in Chile?

Large scale batteries are the main driver of storage growth, replacing back-up generation from oil-fired power and complementing Chile's solar buildout. By 2050, some 13GW of battery storage are installed, and more than the 10GW of fossil fuel generation are retired over the same period.

Why should businesses invest in solar & battery storage in Chile?

Businesses can generate better returns from combined PV and battery systems, which generally results in earlier adoption. In total, storage presents an \$8 billion investment opportunity in Chile, nearly one quarter of the \$35 billion invested in new generation.

How is Chile transforming its energy system?

Section 1. Over the past decade, Chile has begun a rapid shift toward cleaner energy, aided by a liberalized power market and strong policy support. In the next three decades, the country's electricity system is expected to be transformed further, with lower- and lower-cost renewable resources gradually pushing out conventional power plants.

Why do we need batteries in Chile?

As more renewables penetrate the Chilean power system and oil-fired power generation leaves the mix, flexible capacity is added. Batteries help renewables "go deeper" and make some of their generation dispatchable. Batteries complement PV and wind to allow them to shift electricity to valuable net peak hours, such as in the evening and morning.



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Authors: Jorge Moreno, Victoria Frohlich, Christine Constabel and Lucas Neira (INODU)



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