



**SolarTech Power Solutions**

# **Colombian backup energy storage battery**



## Overview

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Utility and independent power producer (IPP) Celestia has deployed a solar co-located lithium iron phosphate (LFP) BESS in Colombia. Celsia has deployed the battery energy storage system (BESS) at its 9.9MW Celsia Solar Palmira 2 farm in Valle del Cauca to help increase the generation capacity of.

A deep dive into how energy storage supports renewable integration, reduces curtailment, and enhances reliability across interconnected and remote regions. Colombia's energy transition is entering a new and decisive stage. While the country continues to expand its renewable energy portfolio.

But here's the kicker: this South American gem is quietly brewing something far more electrifying in its Andean highlands – a new energy storage revolution that could rewrite the continent's power playbook. With 84% of its electricity already coming from hydroelectric plants [1], Colombia isn't.

Colombian power generator Emgesa S.A. E.S.P., an Enel Group company, has begun operating the country's first battery energy storage system in central Cundinamarca department, BnAmericas.com reports. As of early 2025, lithium iron phosphate (LFP) battery cells for energy storage in Colombia hover.

AES is the world leader in lithium-ion-based energy storage, both through our business project and joint venture, Fluence. We pioneered the technology over

one decade ago, and today almost half our new projects include a storage component. Energy storage is a “force multiplier” for carbon-free.

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