

## ContainerPower Energy Solutions

# Colombia s new energy storage power source



## 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.

Colombia faces an energy crisis as rising electricity demand and a \$40B financing gap strain power supply and the national grid. Credit: Ministry of Mines and Energy. Colombia is again staring into an energy supply crossroads: More than three decades after a nationwide power crisis forced rationing.

This \$800 million project, approved in Q2 2023, aims to solve Colombia's renewable energy puzzle through an ancient concept with a modern twist: water gravity. Colombia's renewable capacity grew 23% last year, but here's the kicker – over 35% of generated solar power gets wasted during low-demand.

According to Official Account @PV-Dao, the Energy and Gas Regulatory Commission (CREG) of Colombia recently passed a groundbreaking resolution formally granting legal status to "energy communities." This means that ordinary citizens, community organizations, or businesses can now jointly invest in.

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.

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