



WALMER ENERGY

# South America Outdoor Power System





## Overview

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Is hydropower the future of South America?

Hydropower remains the backbone of South America's energy system, and as the region embraces innovation and sustainability – through certified projects and hybrid systems such as floating solar – its vast Andean-Amazon potential continues to shape a resilient, renewable future. Cachoeira Caldeirão hydropower project, Brazil. Credit: Engie.

Why is hydropower important in South America?

Hydropower is vital for South America's energy mix, and thanks to natural resources such as the Andes mountains and the Amazon basin, potential for generation is vast. A mere 30% of the region's hydropower potential is currently being exploited, but even that satisfies approximately 45% of the continent's electricity demand.

What is Latin America's power system transformation?

Advancing Latin America's Power System Transformation<sup>2</sup> Executive summary Latin America and the Caribbean (LAC) is rich in renewable energy resources and generates nearly 70% of its electricity from clean sources – significantly above the global average.

How can a regionally integrated power system transform Latin America?

Advancing Latin America's Power System Transformation<sup>14</sup> Indeed, in Central America, the development of a regionally integrated system demonstrated cost reductions and improved energy diversification thanks to the extended interconnection.



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Latin America 'needs modern grid infrastructure, stable ...

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Power System Transformation I Latin America

Dec 1, 2025 · Latin America and the Caribbean generate nearly 70% of their electricity from clean sources -- one of the highest shares globally. Yet, rapid demand growth, climate risks, and ...

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Advancing Latin America's Power System Transformation

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Options for Resilient and Flexible Power Systems in ...

Dec 6, 2019 · This document summarizes opportunities for select representative countries in South America to adapt to these buffeting forces to ensure reliable, affordable, sustainable and ...

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Hydropower in South America

Jun 13, 2024 · Hydropower drives South America's energy future, with certified sustainability projects, hybrid systems, and vast untapped potential supporting sustainability and grid stability.

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