



MODERNIZATION SOLAR

South America solar Energy Storage Project





Overview

How is solar energy stored in Latin America?

“Solar power is stored in a grid-supportive manner and is used 24/7 to stabilize the grid. This underscores SMA’s commitment to the expansion of a sustainable and secure energy supply in Latin America.” The large-scale storage system is being built in the commune of Diego de Almagro in the Atacama region.

What is the largest battery storage project in South America?

One of the largest battery storage projects in South America is being built in the Chilean Atacama desert. It complements the existing 220 MW PV power plant Diego de Almagro Sur operated by the electric utility company Colbún S.A. Since 2022, the plant has been supplying the region with solar power using SMA technology.

How will a solar battery storage system benefit Chile?

The battery storage system will not only store solar power but can be activated as needed and will also contribute to Chile’s security of supply through instantaneous reserve and black-start capability.

Is Quillagua the largest solar-plus-storage site in Latin America?

Commercial operation of the power purchase agreement-backed site – which features 221 MW of solar generation capacity and a 200 MW/1.2 GWh battery energy storage system (BESS) – is expected within weeks. The developer says Quillagua is the largest solar-plus-storage site in Latin America.



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