



## Chilean solar energy storage container

The near-\$300 million project will feature a 960 MWh battery energy storage system (BESS) and 340 MW of solar generation capacity and will feed into Chile's National Electric System (SEN) via the Santa María-Charrán transmission line. Chile moves on storage to 'decarbonize the night'

Solar and energy storage deployment is booming in Chile, spurred on by supportive government policy that has been markedly stable for 15 years. Indeed, the nation leads Latin America: BESS as an answer to solar curtailment, grid constraints

However, in recent years, Chile has been facing some serious issues: curtailment and marginal costs nearing zero. With solar project owners needing to find a solution to make their projects financially viable, Chile focuses on solar and storage as generation capacity

The Quillagua solar-plus-storage installation, located in Chile's Antofagasta region, is a 221-MW solar photovoltaic plant with 1.2 GWh of battery energy storage.

Energy storage is a challenge and an opportunity for Chile

Chinese companies have in recent years built, or announced plans to build, Chile's longest power line, solar plants and wind farms, while in battery storage, solar giant Trina has launched three projects in the Chile Energy Storage Industry Holds Promise | EMIS

The investment is estimated at around USD 180mn and construction works will start in June . The Tocopilla BESS will be capable of storing 660 MWh of energy generated by Chile solar energy market

-Opportunities, Policy, Trends A notable example is the 1.2 GWh energy storage project co-developed by China's Sungrow and Chile's state-owned copper giant CODELCO. The system successfully

Grenergy raises US\$324 million for Phase 4 of Set to be built in seven phases in total, the Oasis de Atacama complex will comprise 2GW of solar PV and 11GWh of battery storage in total, presuming the entire project proceeds as planned. This has led the Chile Energy Storage

Chile will need new renewable energy storage systems to replace its current backup capacity of coal-fired plants and natural gas-powered combined cycle turbines and Grenergy builds 960 MWh Chilean solar-plus-storage site

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