

SMA Solar Technology AG Press Release

SMA awarded contract for large-scale 4-hour battery storage project in Chile

Niestetal / Santiago de Chile, 24. June 2025 – 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. This is now followed by a 228 MW battery storage system with a capacity of 918 MWh and a four-hour charging and discharging time. At the core of the project are 67 SMA battery systems with powerful SMA battery inverters combined with batteries by eStorage, a subsidiary of Canadian Solar Inc. SMA is also providing a plant control system specifically developed for large-scale storage projects. 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.

“Building this “4-hour-project” together with our partners is a game-changing example of integrating PV and battery storage systems on an industrial scale,” said Florian Bechthold, Executive Vice President Division Large-Scale and Storage Solutions at SMA. “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. In synergy with the neighboring PV power plant, it reinforces the energy infrastructure in one of the most important solar regions in Chile. SMA is supplying 67 medium-voltage power systems, each equipped with a [Sunny Central Storage 4400 UPS](#) featuring cutting-edge SiC-MOSFET technology—for the highest efficiency and energy yield. A plant control system specifically developed for large-scale storage projects based on the SMA Power Plant Manager is included in the delivery.

“We thank eStorage and Colbún for their trust in our energy systems,” said Daniel Rosende, General Manager of SMA in Latin America. “This project, in which we are also working closely with grid operator Coordinador Electrico Nacional, represents a milestone for SMA in Latin America. It emphasizes our technological leadership in the field of storage solutions and demonstrates the potential of our grid-forming solutions under challenging conditions and our contribution to a climate-friendly energy future in Chile.”



Construction of the large-scale storage system, capable of supplying electricity to approximately 55,480 households, began in June. The commercial commissioning is scheduled for December 2026.

About SMA

As a leading global specialist in photovoltaic and storage system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV and battery inverters, holistic system solutions for PV and battery-storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as further comprehensive services round off SMA's range. SMA solar inverters installed worldwide in the last 20 years, with a total output of around 144 GW, help avoid over 64 million tons of CO2 emissions annually. SMA's multi-award-winning technology is protected by more than 1,600 patents and utility models. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and is listed in the SDAX index.

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