

Chile gravity energy storage power station

Energy storage(KWH)

102.4kWh

Nominal voltage(Vdc)

512V

—
Outdoor All-in-one ESS cabinet



Overview

Located on the site of the former Tocopilla coal-fired power plant, the project represents Engie's first large-scale standalone battery storage facility in Chile. The 116 MW / 660 MWh Tocopilla BESS comprises 240 battery containers and 30 power conversion system (PCS) units. In María Elena, Antofagasta Region, Generadora Metropolitana —owned by AME and EDF power solutions Chile— officially began construction of Dune Plus, one of the largest energy storage projects in Chile. The initiative integrates the Dune and La Pampina projects: the first includes a 333 MW BESS. Engie Chile has completed the energization of its 660 MWh Tocopilla Battery Energy Storage System (BESS), while Trina Storage and Atlas Renewable Energy have advanced the 932 MWh Copiapó PV + BESS project - one of the largest grid-forming installations in Latin America. Generadora Metropolitana, an energy generation company jointly owned by AME. DNV acted as market consultant to support Grenergy's successful \$270 million financing for the Elena hybrid power plant. The project, a major part of the Oasis de Atacama platform, combines 77 MW of operational solar PV with a 430 MW/3. During its recent participation in COP28 in Dubai, Chile not only reaffirmed its commitment to renewable energy, but also.

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Chile makes progress on energy storage with 20+ approved projects

With 23 energy storage projects already approved, totaling an impressive 3,000 MW of capacity, Chile is at the forefront of innovation and efficiency in Latin America.

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Generadora Metropolitana Begins Construction of a large-scale ...

In María Elena, Antofagasta Region, Generadora Metropolitana --owned by AME and EDF power solutions Chile-- officially began construction of Dune Plus, one of the largest energy ...

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Chilean company begins construction of one of its largest battery

The energy generated and stored at Dune Plus will support a 15-year, 1,000 GWh power supply contract with Codelco, the world's largest copper producer and Chile's state-owned mining ...

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Chile: 932 MWh grid-forming battery project moves ahead, 660 MWh

Located on the site of the former Tocopilla coal-fired power plant, the project represents Engie's first large-scale standalone battery storage facility in Chile.

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DNV supports \$270 million financing for Grenergy

The project, a major part of the Oasis de Atacama platform, combines 77 MW of operational solar PV with a 430 MW/3.5 GWh battery energy storage system (BESS) in Chile's ...

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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 improve the ...

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Chile Gravity Energy Storage Market Size & Outlook, 2025-2033

The Chile Gravity Energy Storage Market size was valued at USD 3.01 Million in 2024 and is projected to reach USD 50.76 Million by 2033, growing at a

CAGR of 36.69% during the forecast period (2025 ...

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Chile Focuses on Solar and Storage as Generation Capacity Expands

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.

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Low Voltage
Lithium Battery

6000+ Cycle Life



How Energy Storage is Powering Chile's Sustainable Future

By enabling the storage of solar energy for up to five hours, Andes Solar II-B provides firm power even after sunset, effectively addressing one of the key challenges of solar energy integration.

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Chile Already Halfway To 2 Gw Energy Storage Target

The study tracked 954 MW of operational energy storage capacity by the end of March, 48% of the national goal of hitting 2 GW by 2030. The ministry

report included details of four grid-connected ...

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