

Energy storage for microgrids el salvador

El Salvador's General Superintendent of Electricity and Telecommunications (SIGET) says solar now accounts for 21.1% of the nation's electricity mix, with total installed PV capacity reaching 633 MW by the end of 2023.

The nation's total installed power generation capacity now stands at 2.99 GW, with 638 MW from hydropower. Solar accounts for about 21.1% of the nation's electricity mix.

Renewable sources, including geothermal and biomass, make up 61.5% of the energy supply, while fossil fuel plants account for 38.6% of the energy fleet, according to SIGET.

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The facility supplies 4% of the energy in the Salvadoran wholesale market, which is equivalent to the annual consumption of 255,000 average homes. The plant is also linked to a lithium-ion battery with a capacity of 3.3 MW/2.2 MWh that began operating at the end of February and is intended to regulate the network frequency with high precision.

The Capela Solar plant will be the second large-scale PV facility built by Neoen in El Salvador. The first, the 101 MW (DC) Providencia solar park, was commissioned in May 2017. The project, which is selling power to the national grid at a price of \$0.1019/kWh, was selected by CNE in the country's first auction for solar and wind, held in 2014.



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Web: <https://hollanddutchtours.nl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

