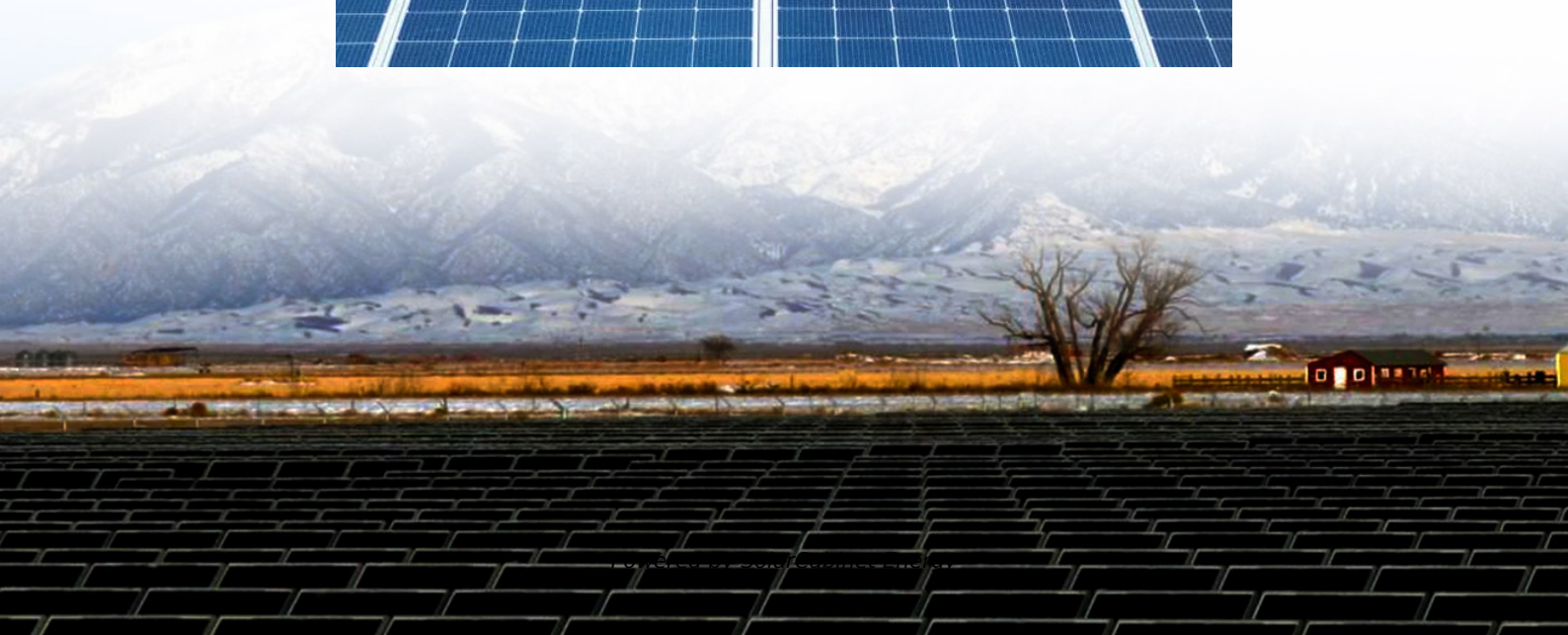


Ecuadorian DC energy storage equipment brand





Overview

Where does Ecuador's electricity come from?

Ecuador's state-owned electricity company, CELEC EP, imports electricity from neighboring Colombia. CELEC is also increasing diesel purchases from Petroecuador to power its thermal electric power plants. Ecuador had a peak demand of 5,110 MW in May 2025, and according to CENACE, electricity demand grows by 360 MW every year.

What type of energy does Ecuador use?

Ecuador's renewable energy is comprised of hydro power (5,419 MW), biomass (1550 MW), wind (71 MW), photovoltaic (29 MW), and biogas (11 MW). Hydroelectric power plants are in three regions: coastal (2 provinces), Andes (9 provinces), and Amazon (4 provinces).

How much electricity does Ecuador need?

Ecuador had a peak demand of 5,110 MW in May 2025, and according to CENACE, electricity demand grows by 360 MW every year. Ecuador's energy shortage could result in a recurrence of power outages, particularly in the dry season of September through December. Ecuador has added minimal generation in recent years.

Why is Ecuador a good place to start a business?

Ecuador provides significant business opportunities in electricity generation, transmission, and distribution. Electricity demand continues to increase, and Ecuador urgently needs to increase generation capacity and accelerate investments to meet demand.

Can Ecuador add nuclear energy to its energy mix?

Ecuador is also exploring opportunities to add nuclear energy to its energy mix, though it has not allocated budgetary resources to this sector. Ecuador's nuclear energy plan contemplates a 300 MW small modular reactor in the



medium term and a 1 GW reactor in the long term.



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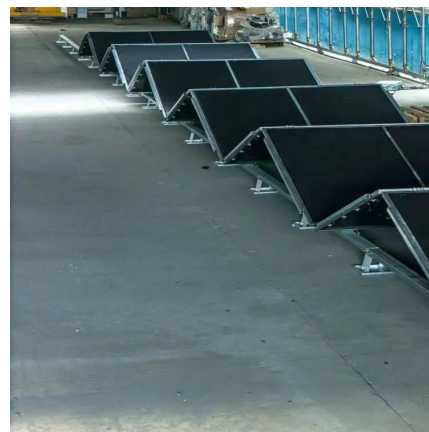


[Namkoo Delivers Off-Grid Home Energy Storage Project in Ecuador.](#)

Namkoo has successfully completed a 10kW + 20kWh off-grid household energy storage system in Ecuador, designed to provide reliable, self-sustained power in response to the country's ...

TOP 10 International Energy Storage solution Service providers in Ecuador.

In terms of Ecuador, the top 10 energy storage solution service providers in this region provide next-generation and reliable solutions considering their diverse needs for ...



[Supporting Ecuador's Energy Transition through an Energy Storage](#)

Introducing storage in the grid will allow the use of renewable energy while maintaining high reliability in the system. Storage can also improve the efficiency of Ecuador's grid, increasing ...



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