

# **How many energy storage power stations does Cuba's Southern Power Grid have**





## Overview

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What types of energy systems are covered in Cuba?

Coverage includes generation and storage systems, renewable energy installations (hydropower, solar PV, wind, biomass, ocean, and solar thermal), electrical grid history and characteristics, and an analysis of Cuba's electrical energy resiliency.

How many power plants are in Cuba?

Cuba has 206 power plants totalling 3,039 MW and 6,472 km of power lines mapped on OpenStreetMap. If multiple sources are listed for a power plant, only the first source is used in this breakdown. Statistics on the electricity network in Cuba from OpenStreetMap.

Is a 50 MW solar plant a good idea for Cuba?

re energy. Cuba's agreement with Hive Energy to build a 50 MW plant is a promising signal that building utility scale solar infrastructure is achievable in the country. Another alternative is wind energy. Like the Hive Energy plant, Cuba's expected Herradura 1, a 52 MW plant, is an encouraging sign that the government views

What percentage of Cuba's electricity comes from imported fuel?

50% of Cuba's electric power comes from imported fuel. Fuel costs account for 70-80% of generation costs and Cuba spends more money on energy, about 14% of GDP, than most nations.<sup>10</sup> A single state-owned utility, Unión Eléctrica, is responsible for managing and operating the electric grid. Much of Cuba's electric grid utili



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