

Does Honduras have solar power?

Honduras has a large potential for solar photovoltaic generation. In fact, it is a practical solution for servicing energy-isolated rural communities. In 2007, there were about 5,000 individual Solar Home Systems, with an average size between 30 Wp and 50 Wp, which makes up for a total capacity of approximately 15 to 25 kW of power.

What type of energy is used in Honduras?

Solar photovoltaic (PV) energy followed at 18.9%, with wind power at 12.9%, and geothermal energy at 5.8%. Due to the diversity of the Honduran landscape, the potential for wind development varies considerably. A 100 MW wind project was built in 2012.

Can Honduras generate electricity from biomass?

Honduras has a large potential for electricity generation from biomass, mainly from the sugar industry. Currently, there are nine biomass projects in operation, with a total of 81.75 MW installed capacity. These plants are estimated to supply 2.3 percent of the total demand of energy in Honduras for 2007.

Can Honduras generate electricity based on hydropower?

In Honduras, there is a large potential for electricity generation based on hydropower. In 2003 then President Ricardo Maduro put in place a Special Commission for the Development of Hydroelectric Projects. There are 16 new hydro projects that are expected to be commissioned before 2011, with an overall capacity of 206.5 MW.

What is Honduras' energy mix?

In 2021, Honduras' energy mix was led by oil, constituting 52.3% of the total energy supply, followed by biofuels and waste at 33.7%. Modern renewables, which exclude traditional biomass practices like burning wood or agricultural residues, accounted for 13.7%, while coal made up just 0.3%.

How many hydro power plants are there in Honduras?

There has been an intensive use of small- and medium-scale hydro energy, with 14 out of 16 existing hydro plants with capacity below 30 MW. Two large plants (El Cajón Dam (Honduras) and Rio Lindo)

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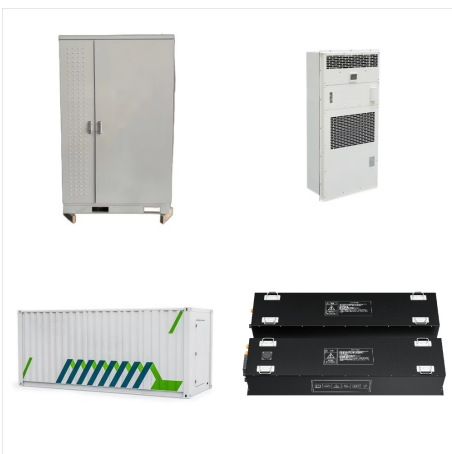
account, however, for more than 70% of the total capacity. In Honduras, there is a large potential for electricity generation based on hydropower.



The report finds that Honduras has high-quality solar potential for electricity production. The country has also large untapped biomass resources in the form of cane bagasse and palm oil waste. Comprehensive renewables projects could offer benefits to local communities, and add installed capacity in the electricity sector.

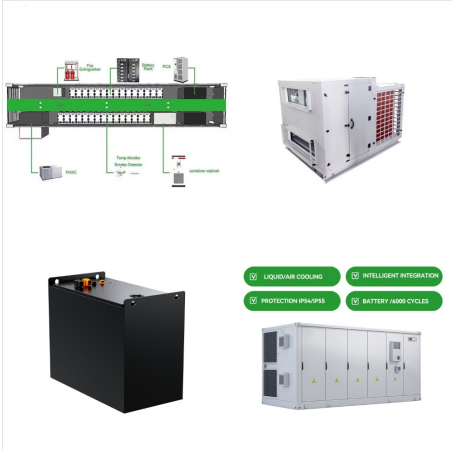


Honduras is also one of the first non-island countries that has been able to use 10% of its solar energy for electric generation. Other forms of renewable energy include biomass at 10%, wind at 7% and geothermal at 1%. Honduras has switched to renewable energy as a means of being self-sufficient.



Sula in northern Honduras. IDB Invest was looking for companies that wanted to save money by generating renewable energy and provided specific studies on solar energy through non-reimbursable funds administered by the IDB Group and financed by various donors, including the Nordic Development Fund (NDF).

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Despite challenges, Honduras boasts significant potential for renewable energy development, including abundant solar resources and untapped biomass reserves. By leveraging these resources and implementing targeted regulations to attract investments, Honduras can enhance energy access, drive economic growth, and promote sustainable development.

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In 2015, Honduras ranked as the second largest producer of solar electricity in Latin America (behind Chile, but ahead of Mexico). Honduras has a large potential for solar photovoltaic generation. In fact, it is a practical solution for servicing energy-isolated rural communities.

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For years, people in the remote village of Santuario, Honduras, were waiting for light and access to energy, facing climate change impacts to battle. Far from the electricity grids, families were living deprived of many daily necessities, unable to light up their evenings safely, or store medicines long-term.



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Esta inversi?n busca no solo aumentar la capacidad de generaci?n de energ?a renovable en Honduras, sino tambi?n fortalecer el sistema el?ctrico del pa?s en su totalidad.

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Solar-based generation systems, located in 5 of the country's 18 departments, represent 24% of country's installed capacity. In Choluteca department is the majority of them, with 40 solar plants, followed by Valle department with 9 ???



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