



# Honduras new solar power generator





## Overview

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The PERLA project in Guanaja, Honduras features 600 kWp of solar capacity, 576 kWh of battery storage, and a 3184 kVA thermal generation backup system, designed in just 10 months to provide reliable, continuous energy to Guanaja, Honduras. Honduras has taken a significant step towards renewable energy with the inauguration of its first state-owned solar power plant. The 50 MW project is located in the Nacaome Valley, near the southern city of Choluteca. This marks a major milestone for the country, which has been heavily reliant on. In 2022, Honduras' energy mix was dominated by oil, constituting 54.9% of the total energy supply, followed by biofuels and waste at 32. Modern renewables like hydro, solar, and wind, excluding traditional biomass practices like burning wood or agricultural residues, accounted for 12. Completed within 10 months, this system was meticulously designed to address the challenges of a grid with unbalanced demand and limited access. With over 300 days of annual sunshine and growing demand for reliable power, photovoltaic (PV) systems paired with 150kW inverters are becoming the backbone of commercial and industrial energy solutions.



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### [Financing Off-Grid Solar: A Pioneering Provider in Honduras Shows ...](#)

Soluz has led the electrification of over 30,000 Honduran homes and businesses using solar solutions, reaching the remote mountain areas where the indigenous Misquito and Tolupán ...

### Renewable energy in Honduras

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.



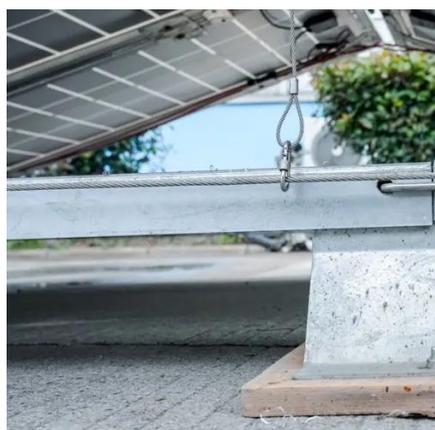
### [Honduras Photovoltaic Energy Storage: Why 150kW Inverters Are](#)

Honduras is witnessing a solar energy revolution. With over 300 days of annual sunshine and growing demand for reliable power, photovoltaic (PV) systems paired with 150kW inverters are becoming the ...



### Honduras opens 50 MW solar plant 2025

Honduras has taken a significant step towards renewable energy with the inauguration of its first state-owned solar power plant. The 50 MW project is located in the Nacaome Valley, near the ...



### [Diconelec Unveils 120 MW Solar Projects in Honduras](#)

Diconelec spearheads five new solar power and battery storage projects in Honduras, totaling 120 MW. Learn about the portfolio and investment opportunities.

### [Perla Project Guanaja - Electrifying Remote Areas, Solartia](#)

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### **A Green Revolution under the Central American Sun: Solar energy in Honduras**

This new solar plant in sunny San Pedro Sula--three hours from Tegucigalpa--is one of the first large-scale photovoltaic projects in the country. It shows the potential for renewable energy ...



### [Honduran Government and DanaSun Energy to develop 300 MW solar ...](#)



The Honduran government and DanaSun Energy Honduras have signed an MoU to develop a 300 MW photovoltaic solar plant with 60 MW of storage in Choloma, Cortés. The initial ...



### [Empowering Rural Electrification in Honduras: An Integrated ...](#)

This report presents the work conducted by the National Renewable Energy Laboratory (NREL) on the rural electrification of Honduras, focusing particularly on schools and clinics and extending to support ...

### **Powering Honduras 20kW On-Grid System**

Future Green Technology is proud to showcase a recently installed 20kW on-grid solar power system, bringing clean, reliable energy to a homeowner in Honduras.



### **Renewable energy in Honduras**

In 2022, Honduras' energy mix was dominated by oil, constituting 54.9% of the total energy supply, followed by biofuels and waste at 32.2%. Modern renewables like hydro, solar, and wind, excluding traditional biomass practices like burning wood or agricultural residues, accounted for 12.9%. In 2024, the country had 849 MW of installed capacity in hydro power. There has be...



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