

Honduras ranks 47th in the world for cumulative solar PV capacity, with 514 total MW's of solar PV installed. This means that 12.90% of Honduras's total energy as a country comes from solar PV (that's 1st in the world).

Compañía Hondureña de Energía Solar, SA de CV (COHESSA), founded in 2012, is a solar energy company established to build, own and operate the solar power plant "Valle Solar" in the province of Nacaome in southern Honduras.

Specifically for Honduras, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

Electricity from PV plants represented 10.2% of the nation's electricity mix in 2016. Honduras also leads Central America as the country with the highest PV capacity with 433 MW-AC installed.

Honduras: Solar electricity generation, billion kilowatthours: The latest value from 2022 is 1.19 billion kilowatthours, an increase from 1.14 billion kilowatthours in 2021. In comparison, the world average is 6.73 billion kilowatthours, based on data from 190 countries.

Solar power directly contributes to the Honduras's energy security and independence, as well as helping to meet rising electricity demand and CO2 emission reduction goals. Despite the COVID-19 impasse, around 141 GW of new solar PV capacity was added worldwide in 2020, about a 14% increase from 2019.

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Map with solar irradiation and PV power potential in Honduras. The GIS data (AAIGRID and GEOTIFF) stems from the Global Solar Atlas ([link](#)). The link also provides a poster size (.tif) and midsize map (.png).

The solar networks, each with a generating capacity of up to 25.6 MWp (Megawatt peak), were built in the south of the country. This will, in turn, assist Honduras in its efforts to diversify its energy mix and reduce its reliance on fossil fuels.

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