

SolarInnovate Energy Solutions

Guatemala City solar cell wattage



Overview

How much electricity does Guatemala have?

As of 2020, Guatemala had 4110 MW of installed electrical capacity, based primarily on hydro power (38.38%), fossil fuels (30.36%), and biomass (25.20%). Other renewable sources represented a much smaller percentage of capacity, including wind (2.61%), solar (2.25%) and geothermal energy (1.20%).

What is the average solar irradiation in Guatemala?

According to the solar maps of Solar and Wind Energy Resource Assessment (SWERA), Guatemala's average solar irradiation is 5.3 kWh/m²/day . Few small photovoltaic projects have been implemented in several Guatemalan remote areas, which have no access to grid electricity .

How is electricity regulated in Guatemala?

Guatemala's electricity industry is regulated by the General Electricity Act (Ley General de Electricidad) and the CNEE (Comisión Nacional de Energía Eléctrica). The DGH (General Direction of Hydrocarbons) regulates the hydrocarbon sub-sector.

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