



Yaounde solar power generation for home use

Could Yaounde City Council invest in solar energy?

The investment indicators for this project are quite bankable that the Yaounde City Council, with the recent decentralization of municipalities, could source partnership agreement with the Rural Electrification Agency in lobbying solar energy investors to set up this project which could be used as an additional source of income for the council.

How much solar radiation does Yaounde have?

Yaounde has an annual solar radiation of 4.69 kWh/m²/d where the month of July had the least average solar radiation and January has the highest solar radiation. Table 2. Average monthly solar PV electricity exported to the grid 3.1. Electricity generation

How much energy does a solar PV project generate a year?

The main findings include; The total annual revenue obtained from the solar PV project for exporting power to the grid was \$36,560,183 at an annual energy export of 304,668 MWh. The solar PV project's cost of energy (COE) was \$75.43/MWh or \$0.075/kWh which is equivalent to 48.75 FCFA/kWh.

Is solar PV a viable option for rural communities in India?

Sensitivity and risk analysis as well as the GHG emission reduction credit scheme were not included in their analysis. The authors in (Khandelwal & Shrivastava, 2018) used the RETScreen tool to assess the environmental and financial viability of a solar PV plant for a rural community in India. The load supplied by the solar PV plant was 587.7 kW.



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