



BUHLE POWER

# Annual electricity generation from solar panels in Yaoundé





## Overview

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How much solar radiation does Yaounde have?

Yaounde has an annual solar radiation of 4.69 kWh/m<sup>2</sup>/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.

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 electricity can a solar power plant produce in Cameroon?

The theoretical national average of electricity production potential from solar energy in Cameroon is estimated at 2327.5 TWh which is about 20 times the hydroelectric potential (19.7 TWh; Ministry of Energy and Water Resources—Cameroon, 2015; SIE-Cameroon, 2011).

How much does solar energy cost in Cameroon?

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. This is cheaper than the electricity price of 84 FCFA/kWh for commercial users (Electricity Sector Regulatory Agency (AESEL), Citation 2012) in Cameroon.



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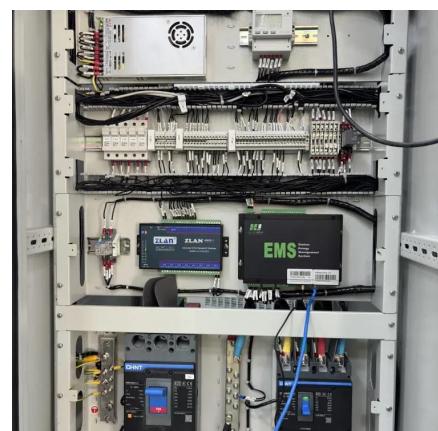


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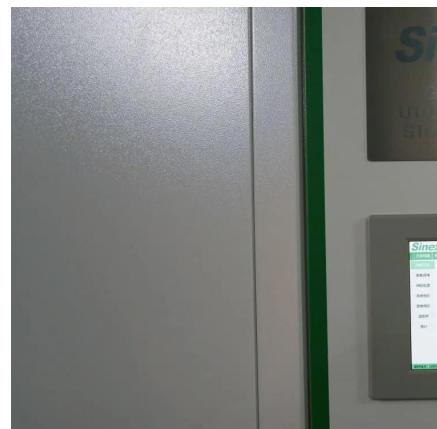
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