

## **PDEOZE PowerContainer**

# **Saint Lucia Solar Rotation**



## Overview

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How much solar power does Saint Lucia have?

Seasonal solar PV output for Latitude: 14.0128, Longitude: -60.9993 (Castries, Saint Lucia), based on our analysis of 8760 hourly intervals of solar and meteorological data (one whole year) retrieved for that set of coordinates/location from NASA POWER (The Prediction of Worldwide Energy Resources) API: Average 6.52kWh/day in Summer.

How to optimize solar generation in Castries Saint Lucia?

Assuming you can modify the tilt angle of your solar PV panels throughout the year, you can optimize your solar generation in Castries, Saint Lucia as follows: In Summer, set the angle of your panels to 2° facing North. In Autumn, tilt panels to 20° facing South for maximum generation.

How can Sol Lucian help you save money?

Contact us today to see how our solutions can help you save money. Sol-lucian is a St. Lucian oriented Electric Solar Renewable Energy Company which has developed a bold approach to reducing the cost of electric utility. © 2018 Sol Lucian Ltd.

Is Castries a good location for solar energy generation?

Castries, Saint Lucia, located in the Caribbean tropics, offers a promising environment for solar energy generation. This location benefits from consistent sunlight throughout the year, with seasons characterized more by wet and dry periods than temperature fluctuations.

Who is Sol Lucian?

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The Global Solar Atlas is continuously updated. Provided GIS data layers include long-term yearly average of: (1) PVOUT - Photovoltaic power potential [kWh/kWp] (2) GHI - Global

Saint Lucia offers great potential for solar energy, with high solar irradiance, favorable temperatures, and strong government interest in renewable energy. Solar systems, whether ...

The Climate Adaptation Financing Facility (CAFF) is a funding mechanism within the Saint Lucia Development Bank (SLDB) designed to offer climate change adaptation loans which are: (a) ...

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Jun 26, 2025 · Introduction This is the Energy Report Card (ERC) for 2023 for St. Lucia.

This dataset contains solar rooftop potential data (suitable rooftop area, installable capacity, estimated yearly electricity generation, and building type ) at individual building structure level ...

Jul 14, 2025 · Studies Global Photovoltaic Power Potential by Country Specifically for Saint Lucia, country factsheet has been elaborated, including the information on solar resource and PV power potential country ...

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The largest collection of free solar radiation maps. Download maps of GHI, DNI, and PV output power potential for various countries, continents and regions.

Indicators of renewable resource potential Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of

capacity ...

The Climate Adaptation Financing Facility (CAFF) is a funding mechanism within the Saint Lucia Development Bank (SLDB) designed to offer climate change adaptation loans which are: (a) affordable, (b) equitable across ...

Saint Lucia: Solar electricity capacity, percent: The latest value from 2023 is 4.33 percent, an increase from 4.16 percent in 2022. In comparison, the world average is 10.46 percent, based ...

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