

## Kongres Container

# Saint Lucia solar power generation for home use



## 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.

Can I use electricity in Saint Lucia?

The majority of appliances, such as hairdryers, curling irons, camcorders, cameras and laptops, use the inputs 100-240V 50/60 Hz or 115-230V 50/60 Hz. As long as you have the appropriate travel adapter, then you'll be able to use Saint Lucia's electricity services without any issue.

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.

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.

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### Contact Us

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