

## European Solar and Energy Storage Solutions

# Jamaica eurosolar energy industries



## Overview

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What is the cheapest solar power plant in Jamaica?

The 20-MW Content Solar Ltd. solar energy electricity generation plant owned by WRB Energy Company in Clarendon is one such example. In Westmoreland, the largest photovoltaic (PV) power plant in Jamaica, the 51 MWp Paradise Park solar farm, is one of the island's cheapest producers of energy.

How is Jamaica boosting its energy sector?

Jamaica is making significant strides in boosting the diversification of its energy sector, as the government looks to implement the island's ambitious Integrated Resource Plan (IRP). The initiative has set a goal of adding around 1600 MW of generation capacity over the next 20 years to expand the island's energy resources.

Is there a serious interest in Jamaica's energy sector?

According to JAMPRO, there is serious interest in Jamaica's energy sector. The Agency is entertaining several local and international investors who are interested in partaking in the RFP that is to come with the aforementioned energy generation opportunities.

Which energy providers are in Jamaica?

Jamaica's energy provider, the Jamaica Public Service (JPS)'s Munro Wind Farm has a 3 MW capacity, while Blue Mountain Renewable (BMR) Jamaica Wind generates 34 MW. In St. Elizabeth, the JPS utility company operates a 7.2 MW hydro-electric plant in Maggoty.

Where is JPS generating energy in Jamaica?

In St. Elizabeth, the JPS utility company operates a 7.2 MW hydro-electric plant in Maggoty. Regarding these projects, Don Gittens, JAMPRO's Manager of Logistics, Energy, and Infrastructure, stated "Current renewable energy projects represent approximately 14% of energy generation in Jamaica, but

our target is 50%.

Is Jamaica a good place to invest in energy?

Jamaica is currently seeking to procure 320 MW of wind and solar, 120 MW of LNG and 74 MW of hydro, biomass, or waste energy for this year. Gittens elaborated, "That is the opportunity that exists right now for investors, so, these are very exciting times." According to JAMPRO, there is serious interest in Jamaica's energy sector.

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### Energy Snapshot Jamaica

Clean Energy Policy Environment Jamaica published its National Energy Policy in 2009, its first comprehensive long-term energy plan. The policy set a number of targets in relation to renewable electricity generation, energy efficiency, and greenhouse gas emissions to be met by 2030. Of particular note is the country's aggressive

### Unleashing solar power's bright future

As the growth of solar PV continues, manufacturing will need to become more diversified to ensure resilient supply chains. Initiatives such as the US Inflation Reduction Act, India's Production-Linked Incentive, and the EU's Net-Zero Industry Act will be crucial to building and revitalizing homegrown clean-energy industries.



### Home

Each year EUROSOLAR awards the most innovative renewable energy projects of Europe-wide and global importance: our planet needs your successful ideas and innovations. "The European Solar Prize celebrates living, resilience and prosperity building models in the peaceful international cooperation to defeat humankind's greatest threat: fossil

## Jamaica to boost its energy

## industry with renewables

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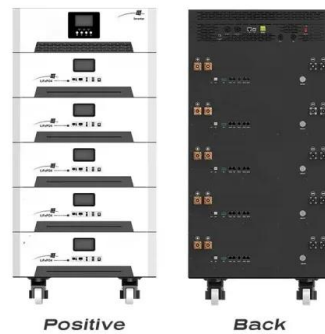


## Alternative Energy , Smart Technology , Powersource ...

Powersource is a smart technology alternative energy and energy efficiency company operating across the Caribbean. We focus on solar power solutions, remote monitoring technology, and window film applications for reduced ...

## ENERGY PROFILE Jamaica

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



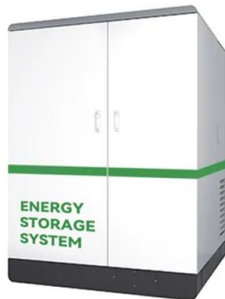
## Jamaica to boost its energy industry with renewables

There is also the Wigton Windfarm in Rose Hill, Manchester, which is one of the largest facilities of its kind in the Caribbean with a 20.7 MW plant and an 18 MW extension facility. Jamaica's energy provider, the Jamaica Public Service (JPS)'s Munro Wind Farm has a 3 MW capacity, while Blue Mountain Renewable (BMR) Jamaica

Wind generates 34 MW.

## Find Solar Water Heater, Micro-hydro System & More

Alternative Power Sources Limited is dedicated to engineering, supplying and providing quality equipment, systems and services and to develop the value of wind, solar (PV and thermal), and hydro energy in Jamaica and the wider ...



## SunTerra lights the path to renewable energy transition

3 ???· The venture is projected to save the local economy over US\$20 million in annual energy costs, positioning SunTerra as a major player in the shaping of Jamaica's renewable energy transition.

## DEVELOPMENT OF RENEWABLE ENERGY MARKET IN ...

JAMAICA ENERGY SECTOR VISION DEVELOPMENT OF RENEWABLE ENERGY MARKET IN JAMAICA Office of Utilities Regulation C. Francis , 2018 February "A modern, efficient, diversified and environmentally sustainable energy sector providing affordable and accessible energy supplies with long-term energy security and supported by informed public behavior on



## Jamaica 20MW Content Solar Project

On August 28, 2016, Content Solar Ltd. launched



commercial operations of Jamaica's first utility-scale solar PV plant. Content Solar, a 20 MW grid-connected solar plant, will power more than 20,000 households over the next 20 years under a power purchase agreement (PPA) with Jamaica Public Service Company (JPS).

## Birol and Mathur , Unleashing solar's power

Still, despite the unprecedented growth of solar power in recent years, the world needs to triple its renewable-energy capacity by 2030. At the COP28 United Nations Climate Change Conference held in Dubai last year, all countries agreed that meeting this goal is necessary to keep the 1.5<sup>o</sup> Celsius target for global warming within reach.



## ETI Energy Snapshot

Jamaica U.S. Department of Energy Energy Snapshot Population Size 2.93 million Total Area Size 11,000 Sq.Kilometers Total GDP \$15.71 Billion Gross National Income (GNI) per Capita \$4,970 Share of GDP Spent on Imports 51% Fuel Imports 7.4% Urban Population Percentage 56% Population and Economy

## Jamaica to boost its energy industry with renewables

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MW of generation capacity over the next 20 years to expand the island's energy resources.



### **This study examines employment prospects in the solar and ...**

This study examines employment prospects in the solar and wind energy industries. It identifies the category of workers involved, required skills, qualification and salary range Compared to petroleum which is the chief energy source in Jamaica, renewable energy is produced at a lower cost and allows for a cleaner environment. It also promotes a

## **2020 ENERGY REPORT CARD JAMAICA**

2020 ENERGY REPORT CARD INTRODUCTION This document presents Jamaica's Energy Report Card (ERC) for 2020. The ERC provides an overview of the energy sector performance in Jamaica. The ERC also includes energy efficiency, technical assistance, workforce, training, and capacity building information, subject to the



### **Jamaica's 51.5 MW Paradise Park solar project**

Paradise Park now delivers to Jamaica's national utility, the Jamaica Public Service Company



Limited, the cheapest electrical energy ever produced in Jamaica - with a base tariff of USD 85/MWh - through a 20-year power purchase agreement.

## Strengthening Energy Sector Resilience in Jamaica

International Development (USAID) and Jamaica Energy Resilience Alliance (JERA) activity. JERA is an alliance of Jamaican and international private sector, non-profit, and academic organizations Jamaica's hotel and tourism industries, something the association has been working on for 30 years. Learning Question 4: What context-specific



## Jamaican solar and energy conservation company lights up in energy ...

As of 2020, Jamaica's use of renewables accounted for approximately 11 percent of its energy (6.5 percent wind; 3.5 percent hydropower; and 1 percent solar). Solar energy being the least utilised speaks volumes, since it is the most abundant renewable energy source available.

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