

## European Solar and Energy Storage Solutions

# Guinea-Bissau supercap energy



## Overview

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Is Guinea-Bissau a viable energy resource?

The coast of Guinea-Bissau, with its deeply indented coastline, experiences high tidal range values making this a commercially viable energy resource. The highest mean annual tidal amplitude of 3.4 m was recorded at Porto Gole, on the banks of Rio Geba and could generate 50 MW of electricity (REEEP, 2012); (DICAT, undated).

Can Guinea Bissau use solar energy?

Table 1: Solar insulation in a horizontal plan in Guinea Bissau With a yearly average of over 5.8 Kwh/m<sup>2</sup>/day (table 1), GB should be able to take advantage of all solar energy applications.

How sustainable is the electricity sector in Guinea Bissau?

The electricity sector in Guinea Bissau is in the midst of a transformational reform towards a sustainable development characterized by reliable, greener and affordable service delivery.

Who regulates the energy sector in Guinea Bissau?

The Ministry of Energy and Industry is in charge of both implementing policies in the energy sector and regulating them (Table 5). The National Electricity and Water Corporation (EAGB) manages the electricity sector in Guinea Bissau. On a regional level, the country is a member of the West African Power Pool.

Can offshore Guinea-Bissau reshape the energy sector?

Offshore Guinea-Bissau is due to see some potentially transformative exploration drilling in the new future, and this drilling can have a great role in reshaping the energy sector in the West African country.

What is the most popular solar application in Guinea Bissau?

As of today, the most popular solar application is the rural individual photovoltaic system that has been exploited in Guinea Bissau for the producing electricity to power houses, schools, offices and hospitals or health centers. Solar water pumping is the second most installed solar application in GB (Ex. PRS I and II in Table 2).

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### Guinea-Bissau Energy Situation

Find relevant data on energy production, total primary energy supply, electricity consumption and CO2 emissions for Guinea-Bissau on the IndexMundi homepage. Find relevant information for Guinea-Bissau on energy access (access to electricity, access to clean cooking, renewable energy and energy efficiency) on the Tracking SDG7 homepage.

### Guinea-Bissau: Solar Energy Scale-up and Access Project

Development Projects : Guinea-Bissau: Solar Energy Scale-up and Access Project - P174576.  
 Development Projects : Guinea-Bissau: Solar Energy Scale-up and Access Project - P174576.  
 Skip to Main Navigation. Trending Data Non-communicable diseases cause 70% ...



### Portrait of Renewable Energy sector In Guinea Bissau

SNV is starting a new area of focus in Guinea Bissau: Renewable Energies. The main objective of this paper is to provide SNV Guinea Bissau a portrait of the current status of Renewable Energies (RE) sector in Guinea Bissau, main actors and opportunities of intervention that can lead to a positioning of SNV in this sector.

**Home**

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## Portrait of Renewable Energy sector In Guinea Bissau

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## Offshore Exploration: The Future of Guinea-Bissau's ...

The underlying offshore exploration potential of Guinea-Bissau has long been recognized given the country's functional hydrocarbon system, good potential reserves, and several drillable prospects in a vast shallow ...



## World Bank Invests in Solar Energy to Expand Access to ...

The Guinea-Bissau Solar Energy Scale-up and Access Project will work on the development of solar energy generation and network enhancement, including the preparation and implementation for utility-scale solar parks and

upgrade and expansion of solar grid infrastructure.



## Guinea Bissau

Guinea Bissau Figure 1: Energy profile of Guinea Bissau Figure 2: Total energy production, (ktoe) Figure 3: Total energy consumption, (ktoe) Table 1: Guinea Bissau's key indicators Source: (World Bank, 2015) Source: (AFREC, 2015) Source: (AFREC, 2015) Energy Consumption and Production Guinea Bissau has a population of 1.75 million (Table 1).



## Energy Profile: Guinea Bissau

Guinea Bissau has a population of 1.75 million. Total production of electricity in 2015 was 13 ktoe with all of it produced from fossil fuels. Final consumption of electricity in the same year was 6 ktoe (AFREC, 2015). Energy Profile: Guinea Bissau. 23 May 2017. Guinea Bissau has a population of 1.75 million. Total production of electricity

## Guinea Bissau: World Bank Invests in Solar

Washington -- The World Bank's Board of Executive Directors approved a \$35 million grant to enable solar power generation and increase access to electricity in Guinea-Bissau. The Guinea-Bissau Solar Energy Scale-up and Access Project will work on the development of solar

energy generation and network enhancement, including the preparation and



## Guinea-Bissau Issues and Options in the Energy Sector

Energy Situation and Priorities 1. Guinea-Bissau has a dual energy economy based on domestic wood-fuels and imported oil. About 90% of total energy consumption is accounted for by firewood and charcoal, which are used in almost all households for cooking as well as in traditional rural, commercial and artisanal activities.

## News Centre , Guinea-Bissau , African Energy

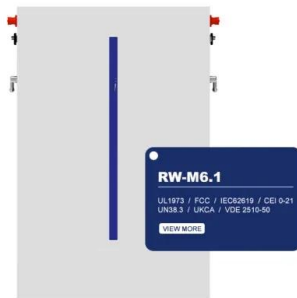
Oil and gas energy sector in Guinea, Guinea-Bissau, Sierra Leone and Liberia - revised August 2018. Senegal, The Gambia, Guinea-Bissau, Cape Verde - revised August 2018. View all maps. Contact us. Selected ...



## ENERGY PROFILE Guinea-Bissau

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



## Energy a key component of Country Strategy for Guinea-Bissau

The expected results in the energy sector are: installing 500 solar street lamps, reducing energy loss, finalising the 225-kV western backbone interconnection line in the Gambia basin and developing renewable energy. This will enable Guinea-Bissau to increase the contribution of renewable energy to its total supply mix from 0 to 36%.



## Offshore Exploration: The Future of Guinea-Bissau's Energy Sector

The underlying offshore exploration potential of Guinea-Bissau has long been recognized given the country's functional hydrocarbon system, good potential reserves, and several drillable prospects in a vast shallow water shelf setting.

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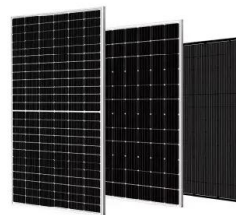


## In Pursuit of a Green Energy Economy: Guinea-Bissau Explores ...

The west-African nation of Guinea-Bissau represents a particularly attractive market for energy explorers, owing to the largely unexplored on- and offshore basins. According to the ECOWAS Center for Renewable Energy and Energy Efficiency, Guinea-Bissau is the perfect destination for the testing and demonstration of grid-connected and mini

## Batteries & Supercaps

Batteries & Supercaps is a high-impact energy storage journal publishing the latest developments in electrochemical energy storage. The scope covers fundamental and applied battery research, battery electrochemistry, electrode materials, cell design, battery performance and aging, hybrid & organic battery systems, supercapacitors, and modeling, computational and applied studies.



## From Dubai to Guinea-Bissau: Apus Energy's bold bet on a 470M ...



In a landmark deal signaling robust growth, Apus Energy, the Dubai-based energy conglomerate, has entered into a formidable drilling contract for Diamond Offshore's state-of-the-art Ocean BlackRhino drillship to tap into a promising exploration well off the coast of Guinea-Bissau. This agreement, fetching a daily rate unseen since 2014, underscores the ...

## Guinea-Bissau: Energy Country Profile

Guinea-Bissau: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



## Guinea Bissau aims for energy transformation by ...

BISSAU, 10 December 2018 - The Guinea Bissau Sustainable Energy International Conference was attended by 150 participants from Guinean public institutions, private sector, financiers, NGOs and academic institutions. The ...

## ENERGY PROFILE Guinea

Primary energy trade 2016 2021 Imports (TJ) 40 959 63 927 Exports (TJ) 24 0 Net trade (TJ) - 40 935 - 63 927 Imports (% of supply) 26 34 Exports (% of production) 0 0 Energy self-sufficiency (%) 75 67 Guinea COUNTRY INDICATORS AND SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2021 Renewable energy supply in 2021 33% 67% Oil Gas Nuclear





## **Ministry of Energy, Industry and Natural Resources of Guinea-Bissau**

Ministry of Energy, Industry and Natural Resources of Guinea-Bissau / Ministère des Ressources Naturelles et de l'Énergie -- Government Body from Guinea-Bissau with 11-50 employees, it`s involved in Energy, Environment & NRM, Industry, Commerce & Services sectors

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