

SolarInnovate Energy Solutions

Guinea-Bissau On-site Energy Outdoor No Electricity No Grid Solar



Overview

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/m²/day (table 1), GB should be able to take advantage of all solar energy applications.

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).

Who manages the electricity sector in Guinea Bissau?

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. The main sector policy is the National Energy Policy 1995, and more recently, the Energy Master Plan of 2013.

How will solar power work in Bissau & Gabu?

In Bissau, solar photovoltaic (PV) plants will help reduce the average cost of electricity in the country and diversify the energy mix, while battery storage will help integrate this variable energy source into the grid. In Bafata, Gabu and Cacheu, the PV plants will provide cheaper and cleaner local power generation than current diesel production.

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).

How much electricity does Guinea Bissau use?

Guinea Bissau has a population of 1.75 million (Table 1). Total production of electricity in 2015 was 13 ktoe with all of it produced from fossil fuels (Table 2). Final consumption of electricity in the same year was 6 ktoe (AFREC, 2015). Key consumption and production statistics are shown in Figures 2 and 3.

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Launch of the mission to develop the National Energy Policy in Guinea

Aug 6, 2025 · The Ministry of Energy of Guinea-Bissau, with the support of the ECOWAS Commission through the Regional Off-Grid Access to Electricity Project (ROGEAP), officially ...

Launch of the mission to develop the National Energy Policy in Guinea

Aug 7, 2025 · The Ministry of Energy of Guinea-Bissau, with the support of the ECOWAS Commission through the Regional Off-Grid Access to Electricity Project (ROGEAP), officially ...



Guinea-Bissau Connects to West African Power Grid to End ...

Apr 27, 2025 · Guinea-Bissau has achieved a milestone in its quest for reliable electricity: on 25 April 2025, the small West African nation connected its grid to a regional power network ...

Guinea-Bissau's Electricity Planning to Provide Access to ...

...

Jun 2, 2025 · Guinea-Bissau has a single public energy concessionaire, EAGB (Electricity and Water of Guinea-Bissau), which is responsible for the transportation, distribution and trading of ...



Guinea-Bissau Joins Regional Power Grid to Strengthen Electricity

Jul 31, 2025 · Guinea-Bissau's connection to the regional power grid strengthens Bissau's electricity supply, creating new investment opportunities in energy infrastructure and rural ...

Market for Renewable Energy for Electrification of Guinea Bissau...

Feb 14, 2019 · The expected outcomes include 4 pilot mini-grid sites exploited through up to 4 public-private partnerships capable of generating 2 MW of pure renewable energy power, as ...



Guinea-Bissau solar project



Launches \$43.5 Million for Stunning Energy

Aug 7, 2025 · The solar energy project in Guinea-Bissau signifies a major step toward enhancing the country's electricity supply and promoting renewable energy. With the backing of ...

Guinea-Bissau Taps Into Regional Power Grid for Boosted Electricity

Apr 28, 2025 · Guinea-Bissau has connected to the regional power grid, linking it with Senegal, The Gambia, and Guinea to improve electricity reliability in Bissau. The interconnection relies ...



Guinea-Bissau: Sinohydro wins contract to build solar power

...

Oct 22, 2019 · The solar hybrid plant will supply electricity to the local population via a medium and low-voltage line. The entire solar and hybrid project is being financed to the tune of \$42.9 ...

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