

## Solar Energy South Africa

# Off grid energy Ivory Coast



IP65/IP55 OUTDOOR CABINET

OUTDOOR CABINET WITH  
AIR CONDITIONER

OUTDOOR ENERGY STORAGE  
CABINET

19 INCH



## Overview

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What is EDF doing to support Ivory Coast's energy transition?

Renewable energy and. As part of its active involvement in supporting Ivory Coast's commitment to the energy transition, EDF is developing an innovative biomass power plant project in partnership with local energy players. Ivory Coast is aiming for an energy mix in which 42% will come from renewable energy by 2030.

Does Ivory Coast engage with private energy companies?

Ivory Coast's engagement with private energy companies is not unique to the region. In fact, public-private partnerships are common across West Africa as they are equally popular with governments and private companies.

Will Ivory Coast achieve universal energy access by 2025?

With the 2030 Energy Plan identifying 66 projects that will require private investment, the door is open for new private partners to stake their claim. Ivory Coast aims to achieve universal energy access by 2025 and triple its generation capacity by 2030.

How can investors support off-grid solar development in Africa?

By supporting projects that expand access to clean energy, investors can help reduce poverty, improve health outcomes, and promote sustainable development. Green bonds, climate finance, and concessional loans are some of the financing mechanisms being used to support off-grid solar development in Africa.

Can off-grid solar power bridge Africa's energy access gap?

With the continent's abundant sunlight, off-grid solar power is well-positioned to bridge the energy access gap and drive sustainable development across Africa.

What is Ivory Coast's biggest challenge?

Acknowledging that Ivory Coast's "biggest challenge is changing the energy mix," Obre states that "until now they have known only turbines and hydro, but the growth of renewable energy such as solar will require more flexible capacity to complement the hydro in balancing the intermittency of renewables and providing grid services."



## Technologies into Electrification

Energy, its Directorate of Electrification, Regional Energy Bureaus and the Ethiopian Electric Utility, who have cooperated with development partners such as the World Bank's ESMAP, the AfDB and GIZ, with their support on the planning dimension and Ethiopia's off-grid electrification agenda.



### [Off-Grid Solar Market Assessment](#)

BHCI Housing Bank of Ivory Coast (Banque de l'Habitat de Côte d'Ivoire) BIAO-CIV BIAO Côte d'Ivoire BICICI d'Ivoire's off-grid solar energy market and gives companies, investors, governments, and other stakeholders a deeper understanding of the market. While there are other market assessments conducted by other

### [Reports & Publications](#)

Policy Brief: Leveraging Energy Access and Off-Grid Technologies to Realize National Social and Economic Development Priorities. Policy & Regulation July 8, 2024. Productive Use of Renewable Energy in the Agriculture Value Chain: Market Assessment India. Annual General Meeting (AGM) Report July 8, 2024.

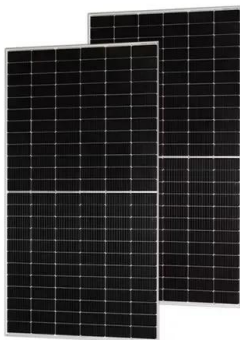


## Ivory Coast

Off-grid market demand for solar panels (current and projected) The second half of 2022 saw a significant 116% increase in market demand, reaching over 32,200 units, Key data points about the Ivory Coast energy infrastructure are as follows: 10 21 22 23. Total Installed Capacity:

## Renewable energy and biomass in Ivory Coast , EDF ...

In Ivory Coast, EDF is helping its local partners to meet high energy demand whilst reducing their carbon impact. Off grid EDF relies on autonomous production, i.e. disconnected from the electricity grid, through the installation ...



## Energy efficiency services , EDF Ivory Coast

In Ivory Coast, EDF is helping its local partners to meet high energy demand whilst reducing their carbon impact. Off-grid EDF relies on autonomous production, i.e. disconnected from the electricity grid, through the installation of solar kits.

## Assessment of Current and Potential Off-grid Productive Use ...

About the Power Africa Off-grid Project 1. 1.2 . Scope of the report and methodology . 1. 2 COUNTRY OVERVIEW 2 2.1 . Overview of agriculture in Côte d'Ivoire . 2. 2.2 Energy access in Côte d'Ivoire . 7. 3 SUPPLIERS OF PRODUCTIVE USE OF ENERGY TECHNOLOGY 12 3.1 Sectorial overview . 12. 3.2 Findings on productive use of energy technology



## [RENEWABLE ENERGY IN AFRICA](#)

'under construction', or 'planned'). Source: Authors' estimates from African Energy Live database, September 2019. Off-grid The off-grid market is reportedly growing with PEGAfrica and ZECI (Zola EDF Côte d'Ivoire - a joint venture

between EDF and Off-Grid Electric) agreeing in 2016 to enter the market and sell solar home systems via

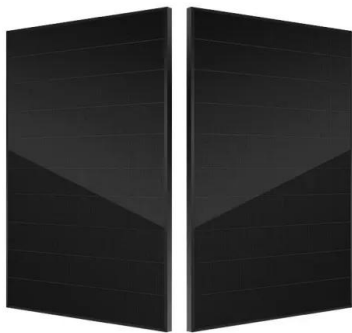


## Côte d'Ivoire

remote areas where the grid is unlikely to arrive before 2025. Off-grid solar is an effective way to meet this demand, according to the government. (EEGF) Energy The decree N°2016-787 of October 12, 2016 demonstrates that off-grid energy is part of the country's regulatory framework. This decree outlines the regu-



**2MW / 5MWh**  
**Customizable**



## Aphelion Energy

Aphelion Energy was founded by Andrew Carter, who has consulted as a mini-grid specialist for clients including the African Development Bank and UNIDO. Aphelion's team in Côte d'Ivoire includes experienced local solar and energy engineers and technicians. The company has installed solar mini-grids in 7 villages and over 100 individual solar

## Our activities , EDF Ivory Coast

In Ivory Coast, EDF is active in the fields of renewable energy, engineering, off-grid electricity and the supply of services. Our objective is to facilitate access to electricity for as many people as possible while supporting the country in its energy transition. Renewable energies.





## Ivory Coast Power Inverters and Solar Panels

We have several DC to AC power inverters that have no trouble powering tools and appliances at 220 Vac 50 Hz in the Ivory Coast. Our 4000 watt inverter charger is the perfect tool for people in the Ivory Coast seeking energy independence. It's a compact, lightweight and powerful solution for off-grid, mobile and/or backup electricity.

## A Regional Power Hub: Policies Bolster Ivorian Electrification

The AZITO power station, built in 1999 and supplying one-third of the country's energy, uses natural gas produced off the coast of Ivory Coast. In 23 years, the project's capacity has grown nearly fivefold. After investing in new steam turbines in 2013, Ivory Coast became the first African country to use the combined-cycle system.



## Off-Grid Solar Projects in Africa: Empowering Communities with

Zola Electric (formerly Off-Grid Electric) is one of the most prominent solar energy providers in Africa, offering a range of solar home systems and mini-grids in Tanzania, Ivory Coast, and other African markets. Zola's systems are designed to provide reliable electricity to households, businesses, and institutions, helping to improve quality

## Ivory Coast Unveils Boundiali Solar Plant

Ivory Coast celebrated the inauguration of the Boundiali solar plant. Prime Minister Mambé led the ceremony on April 3, 2024. The plant covers 36 hectares and has a capacity of 37.5 MWp. Energy Storage Energy Transition International News Off-Grid Renewable Energy Renewables Sustainable Development. Avangrid, PGE Launch 120 MW ...



## [Baobab+ Ivory Coast](#)

National presence, Ivory Coast Photovoltaic solar , Access to energy Baobab+ commercializes innovative products that meet the needs of local populations (Solar home systems and digital products with social impact content) with financing solutions like Pay-As-You-Go to make them accessible to all.

**INTEGRATED DESIGN**  
 EASY TO TRANSPORT AND INSTALL,  
 FLEXIBLE DEPLOYMENT



## **IVORY COAST: GBE to finance productive solar energy projects**

In addition, GBE has also launched a call for projects (until August 31 st, 2021), on Ethiopia, Benin, Ghana, Ivory Coast, Mozambique, Namibia, Senegal, Uganda and Zambia, for a grant funding opportunity (of EUR1 million in total) for projects in sub-Saharan Africa targeting two specific energy access challenges: "increasing the



## **Liberia: Ivory Coast Threatens to Cut CLSG Electricity**

Monrovia, Sept. 5-- The Boakai administration's efforts to stabilize and expand Liberia's electricity supply are facing a serious threat after Ivory Coast warned that it would cut off power to

Liberia if the government failed to settle its substantial debt.. The warning was issued by the Ivorian government through the Compagnie Ivoirienne d'Electricite (CIE), the country's electricity ...



## Off-Grid Energy Fund: Performance

Off-Grid Energy Fund is a 2020 vintage infrastructure debt fund managed by African Development Bank Group and Lion's Head Global Partners. Off-Grid Energy Fund is domiciled in United Kingdom and Ivory Coast. What is Off-Grid Energy Fund's ...

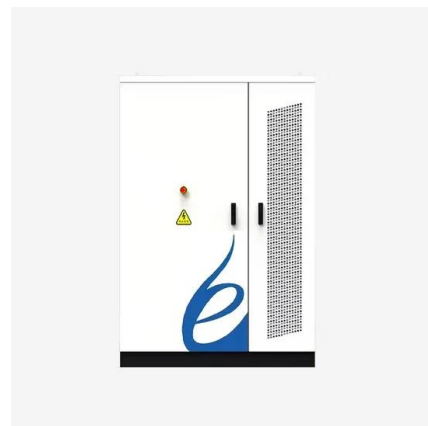


## Presentation , EDF Côte d'Ivoire

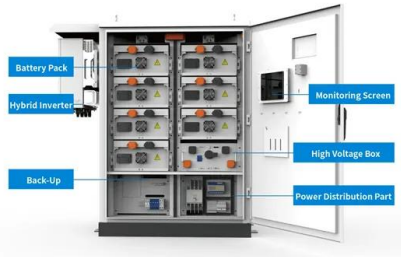
2016 - creation of the Ivorian subsidiary EDF-CI to consolidate the EDF Group's presence in Ivory Coast. 2016 - ZOLA Electric (formerly Off Grid Electric), a leading American start-up in solar energy distribution in Africa, joins forces with EDF to create the jointly-owned company ZECI SAS, for the supply of off-grid solar energy.

## **Promoting Productive Use of Energy in Ivory Coast**

36 % of the interviewed recipients report that their energy costs have decreased as a result of the solar devices, although 27 % also report that their energy costs have increased (Figure 1). One explanation for the increased costs could be that many of the recipients did not have any refrigerators before or installed the solar



appliance in



## Off-Grid Solar Power Is Making Africa's Emerging Economies A

Off-grid solar power is making a huge difference in emerging economies and especially those in Nigeria and the Ivory Coast. Investors are therefore enticed, meaning the renewables industry has a

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