

European Solar Energy Storage

Benin offshore solar

LPSB48V400H
48V or 51.2V



Overview

Illoulofin Solar Power Station, is a 50 megawatts (67,000 hp) solar power plant in Benin, whose first 25 MW was commissioned on 19 July 2022, and the next 25 MW is under construction and is expected to come online in 2025. The solar farm is under development by the Government of Benin, with funding from the European Union (EU), the French Development Agency (A. Illoulofin Solar Power Station, is a 50 megawatts (67,000 hp) solar power plant in Benin, whose first 25 MW was commissioned on 19 July 2022, and the next 25 MW is under construction and is expected to come online in 2025. The solar farm is under development by the Government of Benin, with funding from the European Union (EU), the French Development Agency (AFD) and the Beninese Electricity Company (SBEE). The power station will be built in phases, with the first phase of 25 megawatts capacity followed by the second phase of equal magnitude. The energy from this solar plant will be integrated into the Beninese national electricity grid, during the 25 years of the solar farm's expected lifespan.

The power station is located in the town of , in , in southeastern Benin, close to the international border with . Pobè is located approximately 34 kilometres (21 mi), by road, north of , the capital of Plateau Department. This is approximately 103 kilometres (64 mi), northeast of , the financial and business capital of Beni. The power station is located in the town of , in , in southeastern Benin, close to the international border with . Pobè is located approximately 34 kilometres (21 mi), by road, north of , the capital of Plateau Department. This is approximately 103 kilometres (64 mi), northeast of , the financial and business capital of Benin. The power station, whose construction began during the third quarter of 2021, sits on a piece of land measuring 96 hectares (240 acres), provided by SBEE.

The first phase of this power station, comprises 47,212 crystalline PV panels, each rated at 530 Watts, for a generation capacity of 25.02 megawatts. The energy generated here is evacuated via a 20kV medium-voltage transmission line measuring 2.5 kilometres (2 mi) in length, to a location where it enters the national electricity grid of Benin. The first phase of this power station, comprises 47,212 crystalline PV panels, each rated at 530 Watts, for a generation capacity of 25.02 megawatts. The energy generated here is evacuated via a 20kV medium-voltage transmission line measuring 2.5 kilometres (2 mi) in length, to a location where it enters the national electricity grid of Benin. In December 2021, the Beninese Minister of Energy announced that the design and size of the solar farm had been increased from the original

25MW to a new capacity of 50MW.

The Beninese government selected the French engineering and construction conglomerate to design, construct, operate, maintain the solar farm for the first three years of commercial operation, then transfer it to SBEE. Eiffage in turn, tasked two of its subsidiaries, Eiffage Énergie Systèmes and RMT to carry out the task. During the first three years of commercial ope. The Beninese government selected the French engineering and construction conglomerate to design, construct, operate, maintain the solar farm for the first three years of commercial operation, then transfer it to SBEE. Eiffage in turn, tasked two of its subsidiaries, Eiffage Énergie Systèmes and RMT to carry out the task. During the first three years of commercial operations, Eiffage engineers will train SBEE engineers and technicians on the solar farm operations and maintenance.

The (EPC) contractor is a consortium comprising Eiffage Energy Systems and RMT, both of whom are subsidiaries of the Eiffage Group. The first phase of the power station cost US\$72 million. It is expected that with the doubling of capacity during the second phase, the cost will increase. The (EPC) contractor is a consortium comprising Eiffage Energy Systems and RMT, both of whom are subsidiaries of the Eiffage Group. The first phase of the power station cost US\$72 million. It is expected that with the doubling of capacity during the second phase, the cost will increase. During the first phase, the power station has benefitted from loans provided by the and the . Construction of the first phase started during the second half of 2021 and was expected to conclude in April 2022. Commercial commissioning of the first phase was achieved in July 2022. In August 2023, of Japan signed a (PPP) agreement with Société béninoise de production d'électricité (SBPE) (English: Beninese Electricity Production Company), to develop the second phase of Illoulofin Solar Power Station. Toyota Tsusho will work with RMT, a German subsidiary of the to execute the task. The second phase is expected to bring another 25 megawatts online in 2024, bring capacity generation to 50 MW. .

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Where is the solar power plant located in Benin?

The government of Benin is inaugurating the Illoulofin photovoltaic solar power plant. The facility, located in the commune of Pobè, Plateau department, has a capacity of 25 MWp. Benin is inaugurating its first large-scale solar photovoltaic power plant. The installation, located in the locality of

Illoulofin, was recently commissioned.

Who can benefit from a new off-grid solar scheme in Benin?

Households, smallholders and entrepreneurs in remote locations across Benin will be able to access reliable and cheap electricity for the first time under a new off-grid solar scheme agreed between leading solar energy company ENGIE Energy Access and the European Investment Bank, one of the world's largest financiers of renewable energy.

Who are the actors in the solar industry in Benin?

The Interprofessional Association for Renewable Energy Specialists (AISER - Bénin) is one of the main actors in the private sector for solar products and installations in Benin. It is an association for promotion and advocacy of renewable energy in Benin.

Will EIB support Engie to deploy off-grid solar power in Benin?

The new Benin cooperation follows EIB's previous support for ENGIE to deploy off-grid solar power in Uganda. Benin is the sixth African country to benefit from the EIB's streamlined support for African off-grid energy investment, following recent backing for projects in Mozambique, Uganda, Chad, the Democratic Republic of Congo and the Comoros.

Where is Benin's new power plant located?

The installation, located in the locality of Illoulofin, was recently commissioned. The reception ceremony presided over by Benin's Minister of Energy Dona Jean-Claude Houssou took place on Tuesday 19 July 2022. It was attended by officials from the French Embassy in Benin, and the Electricity Regulatory Authority (ARE).

How many people in Benin rely on kerosene?

More than one million households are dependent on polluting and inefficient lighting by kerosene or candles, and increasingly expensive generators. Less than one in five people living in remote and rural communities across Benin have access to reliable electricity and only 10% of households are using off-grid solar products.

Benin offshore solar



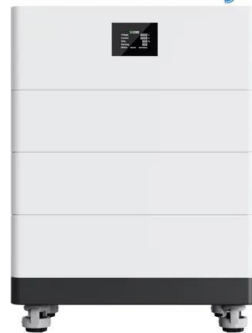
Toyota Tsusho to build 25-MW solar plant in Benin

The project will support Benin's strategy to install 150 MW of solar power generation facilities by 2026. With the plan, the country aims to reduce the utilisation of ...

Operations & Maintenance

Wave energy added to wind and solar mix to power floating green ammonia project.
 Categories: Business Developments & Projects;
 Posted: 400+ exhibitors to meet at offshore energy event in one week. Categories: Transition; Posted: 23 days ago Eco Wave Power gears up for first US onshore wave energy pilot installation.

High Voltage Solar Battery



Taking floating offshore solar from concept to commercial reality

Floating offshore solar has already come a long way in recent years and there is a chance to replicate and better this progress in the years ahead. Countries such as the Netherlands are setting

Puma Energy Buys LPG Terminal in Benin

Soagel owns a newly built 5000m3 liquefied petroleum gas (LPG) terminal in the port of Cotonou, Benin. This new acquisition will be named Puma Energy Benin SA. It is an important step in the development of Puma Energy and marks Puma's entry into LPG in Africa in addition to adding a new market and 17 staff to Puma's fast-growing African



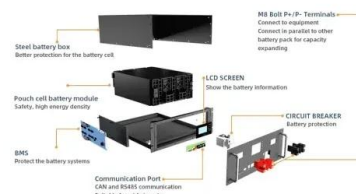
Rex's joint venture company is awarded a Production Sharing

...

interest is held by the government of Benin holding 15 per cent and Octogone Trading, an integrated energy and commodities company trading throughout West Africa, holding 9 per cent. The offshore Block 1 in Benin covers 551 sq km and is in shallow water depth of 20 to 30 metres. The block includes the Sèmè Field discovered by Union Oil in 1969.

Huasun accelerates Power China 800 MW offshore PV project

17 ????. Huasun Energy has delivered 1,386 of its V-Ocean heterojunction (HJT) modules for the 800 MW Phase 1 of a Power China offshore project in Qingdao, Eastern China.



Benin , AFREC

From 1982 to 1998, Benin has exploited a small offshore oil field. The cumulated production was estimated as 22 million barrels of crude oil. Wind and solar represent 14% in the total energy production in the country. In the total final



consumption (TFC), Oil product represent 65% followed by biofuel and electricity respectively 18% and 17%.

In opting for solar and storage over offshore wind, Connecticut ...

3 ????· Connecticut's choice of opting for solar and storage over offshore wind has prompted Copenhagen Infrastructure Partners (CIP) to scrap its 1.2GW Vineyard Wind 2 awarded by neighbour Massachusetts. The first 800MW were awarded by Massachusetts in the nation's first tristate procurement in September on the condition that Connecticut take



Petrobras Acquires 50% Interest in Block 4 Offshore Benin

Petrobras acquired a 50% interest in Block 4, located on the coast of Benin, a country located on the west coast of Africa, with the Compagnie des Hydrocarbures Beninoise (CBH), a subsidiary of Petroleum Lusitania, which stays with the remaining 50%. The expectation is to find light oil discoveries made in reproducing exploration activities [...]



SAS and SES sign joint offshore wind CPPA for Fengmiao I

The combination of offshore wind and solar energy ensures a reliable energy supply, meeting business demands and increasing the renewable energy proportion in the overall mix. SAS and SES chairperson Doris Hsu stated: "SES is committed to integrating green energy supply and demand, offering clients flexible and diverse renewable energy solutions."



**200kWh
Battery Cluster**

BENIN OFF-GRID SOLAR ACCELERATION

The operation aims at facilitating access to energy for households and micro-entrepreneurs in Benin by financing the design, production, distribution, installation and payment plans of about ...

BENIN: The country's first solar power plant (25 MWp) ...

Benin is inaugurating its first large-scale solar photovoltaic power plant. The installation, located in the locality of Illouloufin, was recently commissioned. The reception ceremony presided over by Benin's Minister of ...



HEXA Renewables commissions offshore floating solar power ...

HEXA Renewables, an independent power producer in the Asia-Pacific region, has partnered with the Taiwanese Government's offshore solar division to successfully commission the world's largest offshore floating solar power plant. The Changhua County-based project covers four plots

of land with a total area of 347ha.

SOCAR, Gasol team for Benin FSRU

Offshore staff. GENEVA, Switzerland - West African energy development company Gasol plc has signed a strategic alliance agreement with Socar Trading S.A. in relation to Gasol's proposed LNG import project in Benin.. Under the terms of the agreement, Socar will supply all LNG required for the project and assist Gasol with the provision of a floating gas ...



SolarinBlue receives EUR6m for offshore solar farm

French company SolarinBlue has been awarded EUR6m (\$6.44m) by the French Government for its offshore solar project as part of the France 2030 programme.. The programme, operated by the French Agency for Ecological Transition, ADEME, will support the Méga Sète pre-commercial demonstrator project for a floating solar farm in the Sète ...

CHN Energy's 1GW offshore PV project in China starts power

...

It features 2,934 PV platforms installed using large-scale offshore steel truss platform fixed-pile foundations. Each platform measures 60m in length and 35m in width. This project reportedly marks the first use of a 66kV offshore cable paired with an onshore cable for high-capacity, long-distance transmission in the PV sector in China.





CT bails on offshore wind, chooses solar projects instead

"Offshore wind -- like solar and storage -- will continue to be a key part of Connecticut's energy future. We're confident that the days ahead will provide new opportunities to develop

Porto Novo looking to redevelop shallow-water oilfield offshore Benin

Offshore staff. SINGAPORE -- Akrake Petroleum, a subsidiary of Porto Novo Resources, has signed a production sharing contract (PSC) for Block 1 offshore Benin, which contains the Sèmè oil field, according to a late December 2023 news release.. Union Oil discovered Sèmè in 1969, with Norway's Saga Petroleum later developing the field, producing ...



2MW / 5MWh
Customizable

Asia

Taiwan's offshore floating solar set for next year's debut by Sun Rise E& T Improving ship designs for the offshore wind industry: the importance of RD& I. Categories: Vessels; Posted: 3 months ago Chinese giant brings another oil development project online in South China Sea.

Toyota Tsusho To Construct 25 MW Solar Power Plant ...

Toyota Tsusho Corporation, a Japanese conglomerate, has sealed a deal with the Beninese Electricity Production Company to erect a 25 MW solar power plant in Benin's Pobè

region. This venture represents the first ...



China's CNNC starts construction on 2GW offshore solar farm

The China National Nuclear Corporation (CNNC) has begun the construction of the country's largest offshore solar farm at Haibin harbour in the city of Lianyungang in Jiangsu Province, the Global Times has reported.. With a capacity of 2GW, the photovoltaic (PV) demonstration farm is being built with an investment of 9.88bn yuan (\$1.39bn).

Fujian Putian offshore solar: N-Type TOPCon modules excel over ...

Recurrent Energy reaches financial close on 171MW solar-plus-storage site in Victoria, Australia News Pakistan PV manufacturing future may lie in smaller modules for agriculture and off-grid sectors



Benin FSRU

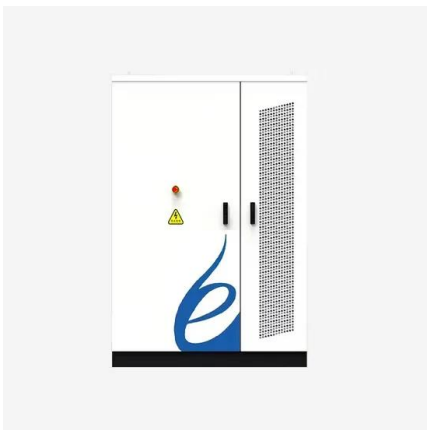
Benin FSRU Terminal is a proposed floating LNG terminal in Benin.[1] There have been no development updates in over four years and the project is presumed cancelled as of 2024. Log in



(FSRU) located offshore Benin and an offshore pipeline connection to the existing and planned power plants in Maria Gléta.

Benin: Access to reliable and affordable off-grid energy ...

Households, smallholders and entrepreneurs in remote locations across Benin will be able to access reliable and cheap electricity for the first time under a new off-grid solar scheme agreed between leading solar ...



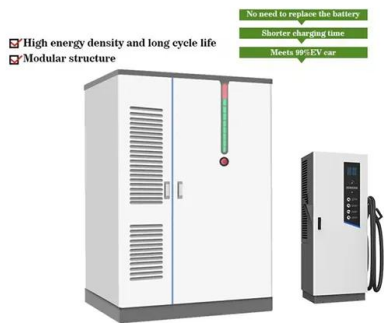
NEoT Offgrid Africa, GDS International, and ARESS join forces to

Paris (France), November 15, 2022 - NEoT Offgrid Africa, GDS International, and ARESS have agreed to join forces to enter the very promising rural electrification sector in Benin by creating ...

How Offshore Solar Could be the Future of Energy

"The combined offshore floating solar PV annual generation potential for regions that do not experience waves larger than 4 m [13 ft] or winds stronger than 15 m/s [33.5 mph] is 220,000 TWh. This is sufficient for all the energy needs of ...





Benin building solar power plants for energy access

Construction launched on 12 November at the 25MWp Forsun Solar PV plant in Pobè, Benin. The project is the result of cooperation between the French Development ...

Etude du Potentiel Energétique Eolien Offshore du ...

But most of these projects are based on solar energy. However, studies conducted in [3] have shown that Benin has a good offshore wind energy potential. In addition to the available solar energy



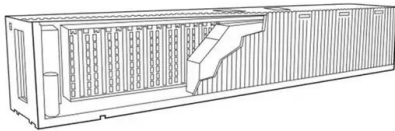
Sungrow on Europe's floating and offshore solar prospects

Masdar plans to develop including over 6GW of new solar capacity and 4GW of new solar manufacturing capacity in Egypt. Floating solar to reach 77GW by 2033, led by APAC region November 20, 2024

Benin Launches Construction of Forsun PV Plant, Boosting ...

Image: Présidence du Bénin The government of Benin has announced the commencement of construction on the Forsun PV power plant, a 25 MW solar project that will increase the total capacity of the Illoulofin Solar Power Station from 50 MW to 75 MW. The expansion involves three solar arrays and represents a significant step in

the country's ...



Sunseap to build 5MW offshore floating solar project near Singapore

Singapore-based solar developer Sunseap Group is developing one of the world's largest offshore floating photovoltaic (FPV) systems, a pilot system standing at 5MW on sea water along the Straits

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