

# Nigeria Solar Project

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To date, there are approximately 93 million Nigerian citizens without access to electricity. The World Bank estimated that electrification rates in Nigeria in 2016 were at 55% and that citizens already connected to the grid often experience regular blackouts that can last for hours - or even days. For a country with such a large population, providing widespread electricity over a short time period will require the roll-out of affordable off-grid solutions.



EnergyNet is committed to championing off-grid solutions, striving to improve energy access throughout the African continent. At this year's Powering Africa: Nigeria summit, EnergyNet announced a partnership with Pan Africa Solar and BBOXX (PAS BBOXX) in which MD of EnergyNet, Mr. Simon Gosling, presented a N36 million cheque donation to Pan Africa Solar CEO, Mr. Marcus Heal, to help implement a new solar electrification project for rural communities in Katsina State, Nigeria.

The project will be an 80MWp utility scale Photovoltaic Power Plant located in Katsina State, near the town of Kankia. The project focuses on a stable state in the North of the country, where - due to lack of available hydro resources and gas supply - renewables are the only long term sustainable option. The Project will integrate panels mounted on tilting structures that track the path of the sun throughout the day and will be constructed on a 210 hectare of land.

The offtaker of the electricity will be the National Bulk Electricity Trader (NBET) under a Power Purchase Agreement (PPA) with a fixed tariff and 20 year tenor and will also benefit from a Put Call Option Agreement (PCOA) and Partial Risk Guarantee (PRG).

The substation required for the Project will be located within the Project site, but the Project will connect, via a transmission line, to a switchyard which will be located on separate land a few hundred meters away.

*The PAS BBOXX solar home system is a plug-and-play device targeted to provide rural households with reliable and affordable electricity. The system is available via a monthly payment plan and comprises a single 50W solar panel and a battery unit that can power LED bulbs, charge mobile phones, rechargeable torches, radios and a 15" TV. These accessories, designed to plug directly into the PAS BBOXX power unit, give customers a choice of offerings depending on their budget.*

*The PAS BBOXX system has been designed for rural households that currently rely on kerosene, candles and torches to light their homes. PAS BBOXX is a sustainable business model that will*

*transform the lives of millions of Nigerians over the coming years as the business scales and rolls-out in the country.*

BBOXX is an OTGC Member

More information about The Off The Grid Club

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