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The government of Equatorial Guinea has selected MAECI Solar, together with GE Power and Water systems and Princeton Power Systems, to design Africa's largest self-sufficient solar microgrid, handling 100% of the island's energy demand.

Our main product lines are Mono and Polycrystal solar photovoltaic modules with top-notch cell M12 size and 12BB cell technology, which allows us to provide power outputs up to 605W, 21.40% efficiency, a lifespan of 25 years, and a product warranty of 12 years.

Renewables such as solar panels, wind turbines and hydroelectric dams generate electricity without burning fuels that emit greenhouse gases and other pollutants. As the costs of solar panels and wind turbines have fallen dramatically in recent years, renewables now represent the cheapest source of new electricity generation in many parts of the ...

Aptech Africa pioneers sustainable development by installing 11 solar systems in remote Equatorial Guinea villages, enhancing education, healthcare, and community empowerment through reliable, clean energy sources.

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In a groundbreaking initiative, Aptech Africa is leading a mission to bring sustainable energy solutions to the isolated communities of Equatorial Guinea. By deploying 11 advanced solar systems, Aptech Africa is not only illuminating lives but also fostering development and paving the way for a brighter future.

Equatorial Guinea receives moderate levels of solar irradiation of 4.3 kWh/m²/day and specific yield of 3.7 kWh/ kWp/day indicating a moderate technical feasibility for solar in the country. Equatorial Guinea has installed a self-sufficient solar microgrid system with 5 MW solar modules for a reliable power

Aptech Africa installed 11 solar systems in 11 different villages of 5kWp, 15kWp, and 20kWp with battery energy storage of 12kWh, 15kWh, and 36kWh respectively. One of the systems is a hybrid system and the rest are standalone systems working alongside a generator and existing grid.



Epcom solar panels Equatorial Guinea

Energy are manufactured only with grade A cells, with high efficiency and 25 year power warranty. -Cells of 5 bus bars with an efficiency up to 19%. - IP65 or IP67 control box with water resistance for long durability - High quality aluminum frame, can withstand load up to 5400 Pa and wind pressure up to 2400 Pa

According to a recent study by the International Renewable Energy Agency (IRENA), Equatorial Guinea has the potential to generate up to 3,000 megawatts (MW) of solar power, which could significantly contribute to the country"s energy mix and help meet its growing electricity demand.

Web: <https://www.foton-zonnepanelen.nl>

