

# The Gambia stationary energy storage

What is the government electrification strategy in the Gambia?

The government electrification strategy has embraced both grid-based and off-grid options. The Gambia has abundant renewable energy resources that could help meet growing demand. The Gambia has abundant solar energy resources across the country, a good biomass resource in most areas, and a modest wind regime along the coast.

What type of energy system does the Gambia have?

The Gambia has a dual energy system containing co-existing traditional and modernised energy systems and practices. On the one hand, traditional biomass fuels and inefficient technologies dominate household energy needs. On the other, a modernised energy system uses electricity and more refined fuels as well as modern appliances.

How many solar stations are there in the Gambia?

The Gambia has conducted solar and wind resource measurements at eight stations across the country.

What will the Gambia's future energy strategy look like?

This should form part of The Gambia's future energy strategy. High transmission and distribution losses (over 30% in The Gambia) worsen the energy security problem. They also deepen suppressed demand. Those with the ability to pay will turn to on-site generators. All these have economic, social and environmental costs.

Why is energy important in the Gambia?

The availability of adequate, reliable, affordable and sustainable energy is a critical milestone in the socio-economic development of any country. While less than half of all households in The Gambia have access to electricity, over 90% are still dependent on solid biomass for cooking and heating. This has intensified poverty.

Is there a solution to energy problems in the Gambia?

Policy makers across Africa have been among the last to embrace RE as a solution to their energy problems. They are often locked into crisis management on a day-to-day basis. The country's policy makers need to be persuaded that RE has a real future in the energy mix of The Gambia. They need to demonstrate this by their actions.

operators. To this toolbox, energy storage has now been added. In fact, for smaller developing countries and those with weak power systems, energy storage (particularly batteries) offer an ...

The Gambia entered a new era of energy development in April 2023 with the inauguration of its first large-scale solar energy facility in Jambur. Built by Chinese manufacturer Tebian Electric Apparatus, the 23 MW solar ...

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