



# Burundi residential solar

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Burundi-based renewable energy company Gigawatt Global Co&#246;peratief U.A. has ...

Gain comprehensive insights into the statistics and metrics surrounding the solar production industry in Burundi

The annual average potential for photovoltaic (PV) energy generation in Burundi is estimated to be between 1,387 kWh/kWp to 1,606 kWh/kWp. 2

The average residential electricity tariff in Burundi is among the highest globally, reaching up to 0.31 \$/kWh for higher consumption levels. 2

The electricity supply system in Burundi suffers from high technical and non-technical losses, estimated to be between 20% and 30%. 4

The country experiences a notable electricity supply deficit, which fluctuates between 12.9 MW during the wet season and 23.5 MW during the dry season, primarily due to reduced capacity of hydropower plants. This situation leads to frequent power outages, severely impacting businesses and households. Many firms resort to using backup generators, which can cost between 0.40 to 0.50 \$/kWh to operate, thereby affecting their profitability and competitiveness in the market. 5

Burundi currently has approximately 9 MW of installed solar photovoltaic (PV) capacity. 6

Burundi&#8217;s total solar panel production capacity is projected to be around 16.5 MW by the end of 2024. 7

Hydropower dominates the market, with a cost of approximately \$0.062 per kWh. 8

Burundi&#8217;s electricity generation is dominated by renewable sources, particularly hydropower: 9

Burundi is one of the least electrified countries in the world, with only about 11% of total population having the access to electricity. 5

The average daily availability of electricity from the national grid in Burundi is approximately 8 hours. 10

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