

Total investment cost of school solar storage project in Burundi

How much solar power is available in Burundi?

Hydropower: 1,700 MW of potential. 300 MW are economically possible ("Burundi" 2022). Solar: Average daily solar insolation is 4-5 kWh/m²/day, indicating strong solar potential for Burundi ("Energy Profile Burundi" n.d.). There is a growing number of households, businesses, schools, and health clinics using distributed, off-grid solar.

How much does electricity cost in Burundi?

Average power prices in Burundi are among the most expensive in the world, some sources citing the average tariff at USD 0.31/kWh ("REGIDESO to Nearly Triple Electricity Tariffs" 2017).

How much does solar energy cost per kWh?

Global Atlas for Renewable Energy (globalatlas.irena.org) shows "development zones" with favorable characteristics (high solar radiation, ground slope, distance to loads and transmission lines, and population density) with levelized cost of energy varying from USD 0.13 to USD 0.14 per kWh Figure 5.

The secondary school "Notre Dame de la Sagesse" in the archdiocese of Gitega has provided education to quite a few generations of young Burundians. Its origins date back to 1958, when the former Collège Notre Dame opened its ...

For this reason, a 14.8 kWp solar power system with battery storage was installed in 2018. With an ever-increasing number of students and the purchase of special machines and equipment for blind students, the energy demand has continued ...



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