

Average utility scale ESS price per 15MW in Ethiopia

What is the electricity price in Ethiopia?

The residential electricity price in Ethiopia is ETB 0.658 per kWh or USD 0.005. The electricity price for businesses is ETB 1.611 kWh or USD 0.012. These retail prices were collected in December 2024 and include the cost of power, distribution and transmission, and all taxes and fees. Compare Ethiopia with 150 other countries.

Why did electricity prices increase in Ethiopia?

It is important to note that the prices for all fuels except electricity increased in Ethiopia over the pre-electricity tariff reform period and that these increases continued as the electricity hikes also began.

Does a revised electricity tariff affect urban households' electricity consumption?

The price of electricity in Ethiopia was until recently among the lowest in the world. The utility company increased the electricity tariff with the aim of improving the quality of electricity services. This paper studies the effect of the revised tariff on urban households' electricity consumption. The study result shows a highly inelastic demand.

How much does EEPCO charge per kWh?

In 2006, EEPCO adjusted the tariff to USD 0.07 per kWh. Due to devaluation by 2018, the tariff reached USD 0.0181 per kWh. In 2018, the average tariff was readjusted to Birr 2 per kWh (0.07 USD per kWh*). Due to the devaluation of Birr against USD, the average electricity tariff is currently 0.03 USD per kWh**High Voltage Industry Tariff.

How does Ethiopia support electricity access?

As part of the package of interventions aimed at supporting electricity access, Ethiopia recently (beginning in 2018) introduced electricity price reforms to improve cost recovery, allow paying for required maintenance, and encourage investment in the sector.

What is the energy consumption pattern of households in Ethiopia?

Furthermore, the energy consumption pattern of households in Ethiopia is dominated by electricity and biomass fuels. The former is mainly used for lighting and cooking by urban households. However, biomass fuels such as firewood and charcoal are also used for cooking and baking in urban Ethiopia.

Base year costs for utility-scale battery energy storage systems (BESS) are based on a bottom-up cost model using the data and methodology for utility-scale BESS in (Ramasamy et al., 2021). The bottom-up BESS model accounts for ...

Ethiopian Electric Service has announced that from April to June, electricity tariffs will increase for both



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consumption and service fees. According to the statement, starting in April, residential customers consuming up to 0.50 ...

Projected Utility-Scale BESS Costs: Future cost projections for utility-scale BESS are based on a synthesis of cost projections for 4-hour duration systems as described by (Cole and Karmakar, 2023). The share of energy and power ...



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