

# Large scale battery storage project financing options in Ethiopia 2030

Is battery storage a viable solution to increase system flexibility?

Among the energy storage options available, battery storage is becoming a feasible solution to increase system flexibility, due to its fast response, easy deployment and cost reduction trends, helping to integrate higher shares of variable renewable energy in a reliable manner.

Is battery storage a risky investment?

Firstly, the nascent nature of energy storage technology means that fixed income lenders and senior debt providers are naturally risk averse. Battery storage has less of a track record than other renewable energy assets such as solar and wind power.

What are the obstacles to a battery project?

The second, bigger obstacle to the project financing of storage assets is that the revenue stack for batteries is more complicated than for generating assets. Unlike wind and solar projects, battery projects are not generating electricity. Rather, they provide a service and act as arbitrage assets.

Will the energy transition save money?

For all its promise of long-term cost savings, the energy transition carries a vast price tag. The Energy Transitions Commission estimated that achieving net-zero by 2050 would require an average annual investment of \$3.5 trillion globally between 2021 and 2050.



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