

SolarInnovate Energy Solutions

Mali Phase Change Energy Storage System Production



Overview

How a decentralized energy supply works in Mali?

The small size and dispersed locations of villages in Mali for a long time made off-grid decentralized mechanical and electric energy supply the only viable option. A multifunctional platform consists of a 10-hp diesel engine that, as desired, can power a mill, a generator, a pump or other devices mounted on the same rail.

How long does a solar power project last in Mali?

This project has an estimated lifespan of 25 years. / Mali is a landlocked country in the Sahel belt of West Africa where 80% of the population in the rural areas do not have access to electricity, while those with access are getting most of the electricity from diesel generators.

Why is energy du Mali struggling with load shedding?

Power generation is limited (Annex A.17), forcing Energie du Mali (EDM, the power utility) to have recourse to frequent load shedding. EDM's difficulties stem from the discrepancy between the average price (CFAF96 per KWh) and the power production cost (CFAF130 per kWh) in 2019.

What is the energy access problem in Mali?

Mali faces a critical energy access challenge. The national power access rate was 50% in 2019 (compared to 36.11% in 2015). The problem is particularly acute in rural areas with 21.12% access rate in 2019 (compared to 15.75% in 2015).

What is the power access rate in Mali?

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✓ 50KW/100KWH

✓ HIGHER POWER OUTPUT
IN OFF-GRID MODE

✓ CONVENIENT OPERATION
& MAINTENANCE

✓ PRE-WIRED

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