

## Kongres Container

# Lesotho installs solar energy storage



## Overview

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It is the first utility-scale solar project in Lesotho, divided into two phases: the first phase will deliver 30 MW and the second 40 MW, with commissioning scheduled for early 2025. The consortium is led by Scatec (Norway) in collaboration with the Lesotho Electricity Company (LEC), the national.

You know, Lesotho's mountainous terrain gives it 3,000+ hours of annual sunshine - perfect for solar power. But here's the kicker: 40% of generated renewable energy gets wasted due to inadequate storage infrastructure. The government's new energy policy, updated last month, phases out mandatory.

Lesotho is taking a groundbreaking step toward energy independence with the construction of the Letsatsi Solar Power Station, a 70-megawatt (MW) photovoltaic facility near Likhakeng in the Butha-Buthe District. Developed by the renowned Norwegian renewable energy company Scatec, this solar power.

Lesotho's rugged terrain and growing energy demands make energy storage systems (ESS) a game-changer. With 85% of its electricity imported from neighboring countries, this mountainous kingdom is turning to storage solutions to stabilize its grid and harness local renewable resources. Let's.

ower quality, power reliability, and balancing support. Indeed, energy storage can enable time shifting at the time of excess low cost generation and the release of energy in times of peak demands such as solar photovoltaics (PV) and wind turbines. The main key to a successful mini- and microgrid.

ds demand, resulting in wasted energy. This imbalance is illustrated by the

duck curve, a graph that resembles the shape of a duck and shows how solar production and energy demand vary throughout the day. Solar energy storage is a key characteristic after sunset or in bad weather. Improving health.

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