

## SolarTech Power Solutions

# Lesotho benefits most from household energy storage



## Overview

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Does Lesotho need electricity?

The country is renowned for an abundant supply of unspoilt and unexploited water resources, capturing approximately 50% of Southern Africa's total catchment run-off, therefore, hydropower contributes to most of its electricity needs . When it comes to energy access, Lesotho is considered one of the lowest in Africa .

How much energy does Lesotho consume in a year?

Lesotho consumes 501 m kWh of electric energy per year. Per capita, this amounts to an average of 400 kWh. Lesotho can partly be self-sufficient with domestically produced energy, as the total production of all electric energy producing facilities is 501 m kWh, which is 55 percent of the country's own usage. The rest of the needed energy is imported from foreign countries.

What are the benefits of living in Lesotho during a crisis?

1. Shock-affected people in Lesotho are able to meet their basic food and nutrition needs during times of crisis. 2. Vulnerable populations in Lesotho benefit from strengthened social protection systems that ensure access to adequate, safe and nutritious food all year. 3.

Does Lesotho use biomass?

Traditional biomass – the burning of charcoal, crop waste, and other organic matter – is not included. This can be an important source in lower-income settings. Lesotho: How much of the country's electricity comes from nuclear power?

Nuclear power – alongside renewables – is a low-carbon source of electricity.

What is the basis of Lesotho's economy?

The economy of Lesotho is mainly based on agriculture, mining,

manufacturing, livestock, and remittance of workers from the Southern African Customs Union\*. Because of its geographical location, it is integrated with the economy of South Africa.\*

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