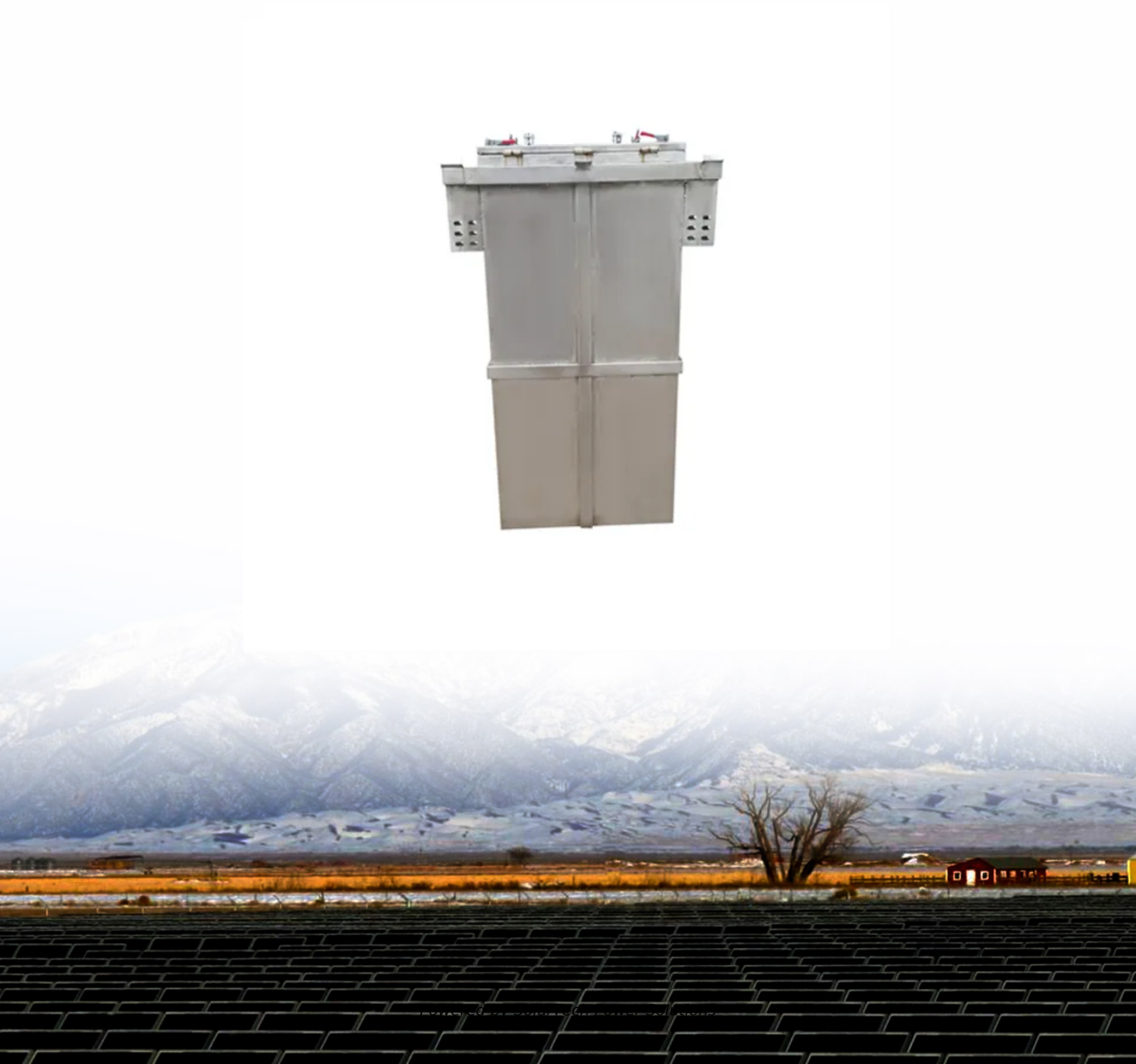


## SolarTech Power Solutions

# Lesotho energy storage power price



## Overview

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Residential systems (5-10kWh) range from \$2,800 to \$5,600 installed. Commercial projects often see economies of scale at \$240-\$260/kWh. How long do lithium systems last?

Most quality systems provide 8-12 years service with 80% capacity retention. Are financing options available?

Yes! What is the energy sector like in Lesotho?

**Transformation in Lesotho** The energy sector in Lesotho is characterised by an enormous potential of renewable energy resources. Lesotho has the potential to produce up to 6,000 MW from wind and solar, 4,000 MW from pump storage, 400 MW from conventional hydropower, and more than 1.

How much electricity does Lesotho produce?

Lesotho produces about 72 MW from hydropower (Meula). It has about 150 MW peak power and imports more than 70 MW mainly from Mozambique (29% of peak demand) and 20% of its peak demand from South Africa. The electricity supply accounts only for +50% in the energy mix.

Who supplies electricity in Lesotho?

In the present day, LEC remains the sole supplier of electricity operating within Lesotho, as well as holding the title of one of the first parastatals in the country. "Our Company operates under the obligation to supply power to all customers within our service territory," continues the Company.

Who owns Lesotho electricity company?

**Historical Import Partners** The Lesotho Electricity Company (Pty) Ltd (LEC) is wholly owned by the Government of Lesotho (GoL) and acts as the utility company. It has been registered in terms of the Companies Act of 1967 (as amended) and established in 2006 in terms of the LEC (Pty) Ltd Establishment.

Will Lesotho be able to produce electricity by 2030?

Universal Access by 2030. Lesotho has the potential to produce up to 6.000MW from wind and solar, 4.000MW from pump storage, 400MW from conventional hydropower, and more than 1 000MW from hydropower. Lesotho submitted their first NDC in January 2017 which makes them recognised.

Does Lesotho have a long-term PPA?

Under a long term PPA. The Regulatory Framework for the Development of Renewable Energy Resources in Lesotho (2015) provides an IPP framework with supporting legal instruments to guide in the promotion and facilitation of private investments in renewable energy. However, the report has

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