

# **How much does it cost to store solar energy in Malawi**





## Overview

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How much does it cost to build a solar power plant in Malawi?

The Bwengu Solar PV Power Plant in Malawi, led by US-based Quantel Renewable Energy, is expected to be built at a cost of \$65 million within 12 months. Construction has begun on the 50 MW solar power plant, which will spread over 105 hectares of land in Bwengu, Mzimba District.

How much solar power does Malawi currently have?

Malawi had an installed solar power of around 24 MW at the end of 2020, according to the International Renewable Energy Agency. With a population of approximately 19 million people, the landlocked nation has a power generation capacity of around 363 MW, around 90% of which comes from hydropower.

Are solar panels affordable in Malawi?

A man welding a frame to mount solar panels in Malawi. The reduced cost of solar electricity has made electricity access affordable even to low-income households.

How much does a solar-powered irrigation system cost in Malawi?

In Malawi, a solar-powered irrigation system, consisting of a solar-powered submersible pump, water tank, and drip irrigation lines covering an area of 500m<sup>2</sup>, is provided on loan to farmers. The approximately \$750 cost is more up front than the annual income for an average Malawian.



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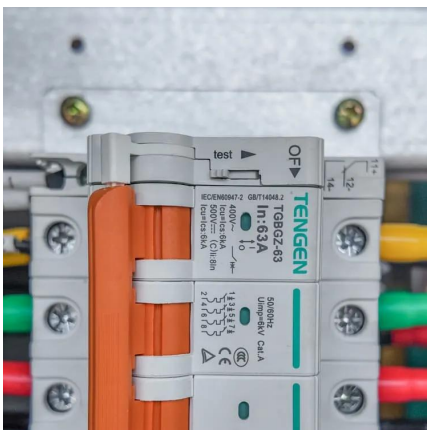
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