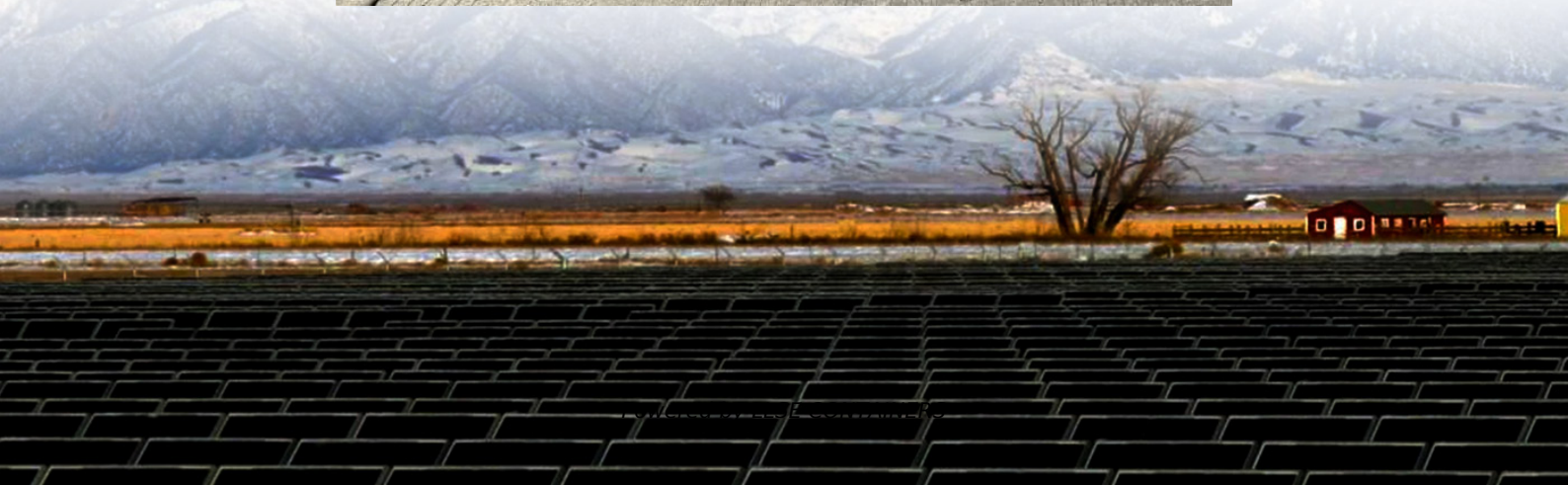


# 20kW Solar Containerized Photovoltaic Application in Mountainous Areas





## Overview

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Should photovoltaic facilities be installed in mountainous areas?

Installing photovoltaic (PV) facilities in mountainous areas can address the challenge of land scarcity in PV development, improve the energy structure, and promote economic growth in rural mountainous regions.

Could a solar power station be built in a mountainous region?

There are a large number of barren mountains in China that could be utilized for PV, and some researchers have investigated the possibility of constructing PV power stations in mountainous regions. Singh Doorga et al. modelled the solar PV potential using GIS and MCDM in the main island of Mauritius .

What is the optimal site for mountain PV power plants?

The construction of PV power plants requires large areas of land, small and isolated areas with land suitability results should be deleted. Therefore, a 300 × 300 m window was established, areas of the results within the window is greater than 60 % of the window area were identified as the optimal site for mountain PV .

What is LZY mobile solar container system?

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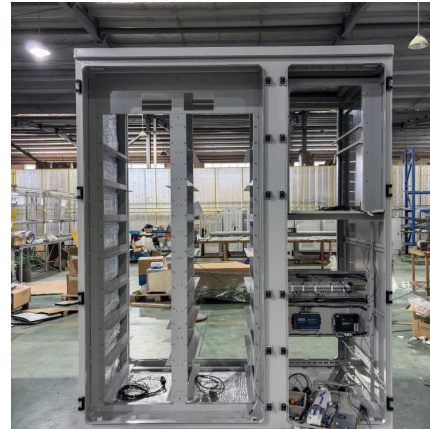
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