

# 40kWh Solar Container Used in Rural Areas





## Overview

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Can solar energy be used in rural areas?

The deployment of solar energy in rural areas is central to achieving SDG 7, which focuses on ensuring access to affordable and clean energy. Solar home systems and mini-grids have provided reliable energy access to millions of people in Sub-Saharan Africa, reducing reliance on fossil fuels [2, 3].

Does solar energy provide reliable and decentralized energy access?

This systematic literature review addresses this gap by synthesizing findings from 35 peer-reviewed articles published between 2014 and 2024. The study identifies key themes, methodologies, and geographic trends while highlighting the transformative role of solar energy in providing reliable, decentralized energy access.

Are solar energy initiatives a viable solution for rural communities?

In summary, solar energy initiatives have emerged as a vital solution for rural communities, offering numerous benefits such as reduced costs, environmental sustainability, and improved energy access.

How does solar energy impact rural communities?

Recent research findings highlight the positive impacts of solar energy initiatives on rural communities, including economic development, job creation, and enhanced energy resilience.



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