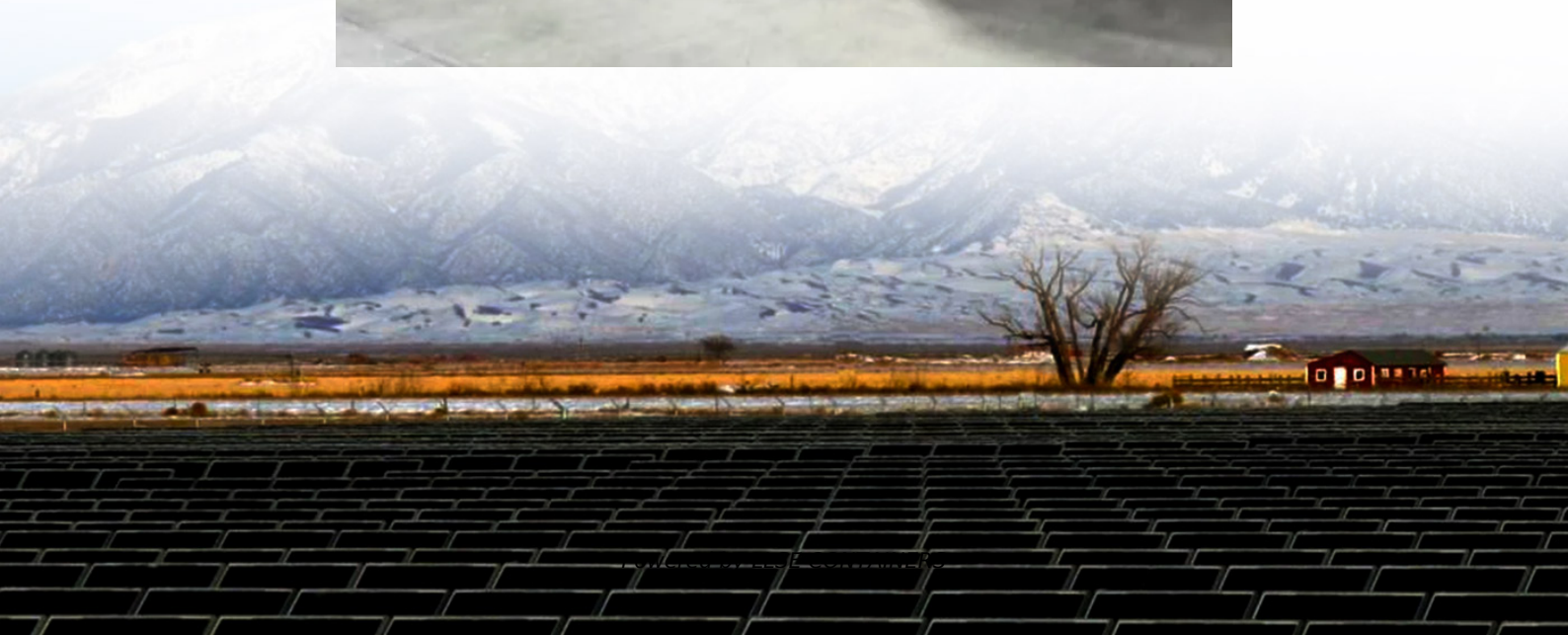


# **Off-grid cost of solar-powered containerized farms in Africa**





## Overview

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Will off-grid solar provide half of Africa's electricity access?

Off-grid solar is positioned to be the most cost-effective way to provide about half of electricity access under Mission 300 —the joint World Bank Group and African Development Bank initiative to connect 300 million people in Sub-Saharan Africa to electricity by 2030.

Can solar PV off-grid cold storage help reduce poverty?

Solar PV off-grid cold storage systems can assist in mitigating those issues as well as bring sustainable development and economic growth to low-income populations, mainly in rural regions.

Can solar off-grid cold storage be used for small businesses?

This research presents technologies that provide solar off-grid cold storage to houses, health centers, retail shops (off-grid refrigerators), and small farms or street markets (off-grid cold rooms).

Are solar-powered cold chains the future of Agriculture in Africa?

Notably, sub-Saharan Africa's total market demand for solar-powered cold chains for agriculture is estimated at approximately 6.5 million farmers . These aspects reinforce the need to enhance the region's electricity access and energy infrastructure.



## Off-grid cost of solar-powered containerized farms in Africa

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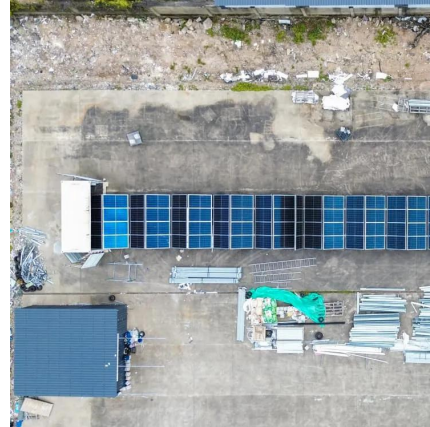


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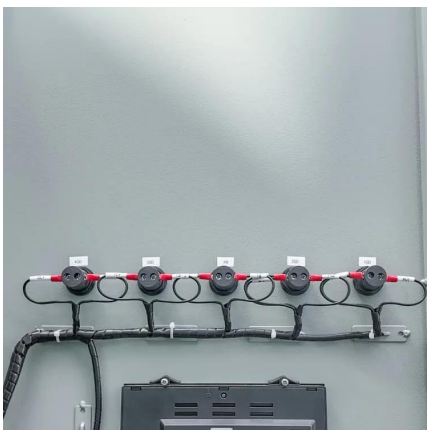


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