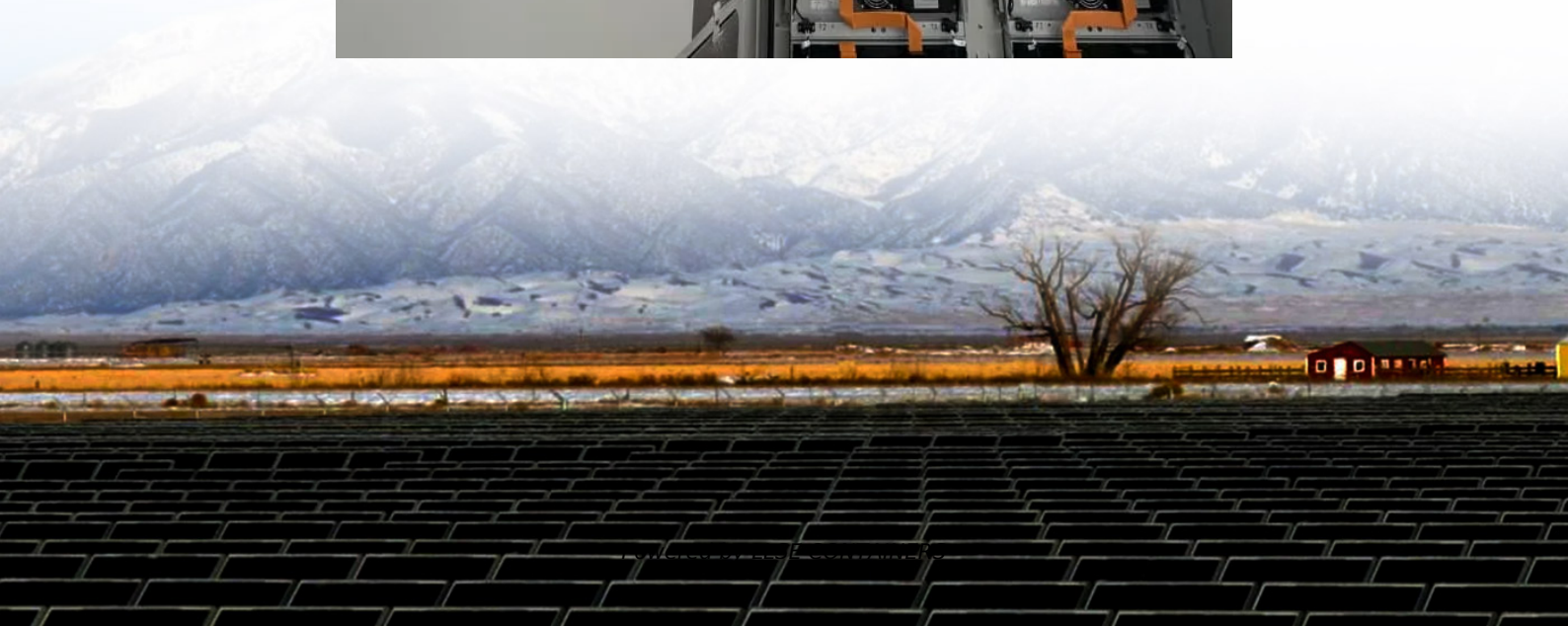


# El Salvador hotel uses 10kW off-grid solar-powered container





## Overview

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Does El Salvador have electricity?

While most of El Salvador has reliable electricity access, there is little prospect of the national electric grid being extended to the village of El Sauce.

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.

How does a solar off-grid cold storage room work?

Evaporator - removes undesirable heat from the surrounding goods by circulating the low-temperature coolant in this heat exchanger under low pressure. Modern solar off-grid cold storage room systems have embedded automation to monitor and control the entire system, ensuring its correct working process.

Does ASAPROSAR sell solar energy products in El Sauce?

Based on the positive feedback and reported willingness to purchase the lanterns from the residents of El Sauce, ASAPROSAR is planning to begin selling solar energy products in El Sauce in the coming months. The D-Lab team is currently working with ASAPROSAR to negotiate prices for solar energy products with vendors in Latin America.



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Energy Needs and Market Opportunity Assessment  
Technology and Business Model Identification  
Pilot and Market Deployment  
Partners Team  
This project began with work done by the D-Lab: Energy I class in the spring of 2015, in which students from the class conducted interviews with community members to understand the current energy access and spending on lighting and mobile phone charging. In August of 2015 D-Lab staff members, Eric Verploegen and Libby Hsu traveled to El Salvador to See more on [d-lab.mit sunchees](#)



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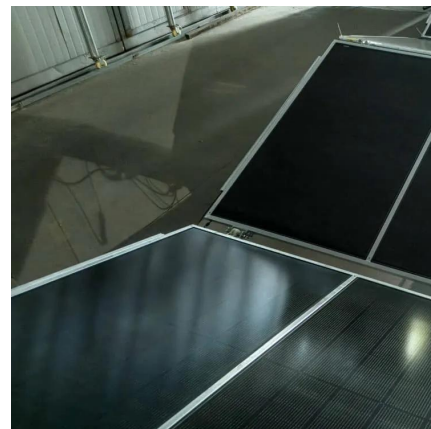


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