

Kongres Container

**Solar panels and solar panels
also need to store batteries**



Overview

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The AES Lawai Solar Project in Kauai, Hawaii has a 100 megawatt-hour battery energy storage system paired with a solar photovoltaic system. Sometimes two is better than one. Coupling solar energy and storage technologies is one such case. The reason: Solar energy is not always produced at the time.

A common misconception is that solar panels can store electricity directly. In fact, panels can only generate power, not store it. To make solar energy available at night or during cloudy days, photovoltaic (PV) systems must be paired with reliable energy storage solutions, most commonly batteries.

Solar panels do not need battery storage to function, as they generate electricity during sunlight. However, adding battery storage improves energy efficiency by storing excess electricity. This combination provides cost savings and boosts energy independence, especially during power outages, using.

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