



WALMER ENERGY

# The role of solar panels with batteries





## Overview

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Why do solar panels use batteries?

The batteries have the function of supplying electrical energy to the system at the moment when the photovoltaic panels do not generate the necessary electricity. When the solar panels can generate more electricity than the electrical system demands, all the energy demanded is supplied by the panels, and the excess is used to charge the batteries.

How do solar batteries work?

Solar batteries work by storing energy produced by solar panels and storing it for later use. In some cases, solar batteries have their own inverter and offer integrated energy conversion.

What are the benefits of using solar batteries?

Low Maintenance: Batteries require minimal maintenance, making them a reliable energy solution. Reduced CO<sub>2</sub> Emissions: By using solar energy—a clean and renewable source—generated by photovoltaic panels and stored in solar batteries, companies contribute to the energy transition and significantly reduce their carbon footprint.

What is solar battery technology?

Solar battery technology stores the electrical energy generated when solar panels receive excess solar energy in the hours of the most remarkable solar radiation. Not all photovoltaic installations have batteries. Sometimes, it is preferable to supply all the electrical energy generated by the solar panels to the electrical network.



## The role of solar panels with batteries

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