

## A-Core Container

# Can solar power be used to generate electricity for home use



## Overview

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Should you use solar power to generate electricity at home?

Using solar power to generate electricity at home is a very appealing option for a number of reasons: not only would you be reducing your overall environmental footprint and greenhouse gas emissions, but you would be reducing your bills and could even generate some income by selling back excess energy into the grid.

How is solar energy used to power your home?

Most home solar systems are “grid-tied” meaning that the solar system, home electrical system, and local utility grid are all interconnected, typically through the main electrical service panel.

Can solar panels power your home?

Solar power has many applications, from powering calculators to cars to entire communities. It even powers space stations like the Webb Space Telescope. But most people are concerned about how solar panels can power their house and reduce their electricity bill. [How Do Solar Panels Work?](#)

Here’s a step-by-step overview of how home solar power works:.

Do you need a generator for a solar energy system?

If you have a grid-tied solar energy system without a battery backup, a separate generator is a great way to ensure access to power during a local electrical outage. While traditional generators are powered by diesel, gasoline or propane, solar generators are an alternative that runs on electricity produced by your panels.

Can a house run on solar energy?

Your house can run on solar energy most days. A generator takes over when the grid fails. Many homeowners are surprised to learn that most solar

systems stop working during an outage — even on sunny days.

Is solar power right for You?

There's plenty to consider before you decide whether solar power is right for you. When you use a solar panel system — also called a photovoltaic or PV system — to produce power for your home, you won't have to buy as much electricity from the utility company, and you get the benefits of renewable energy.

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