

## ContainerPower Energy Solutions

# Where does the electricity from the microinverter go



## Overview

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The key role of a microinverter is to convert the direct current (DC) generated by solar panels into alternating current (AC) that can be used directly on the grid. How do microinverters work?

Microinverters convert the electricity from your solar panels into usable electricity. Unlike centralized string inverters, which are typically responsible for an entire solar panel system, microinverters are installed at the individual solar panel site.

What is a solar panel microinverter?

Unlike centralized string inverters, which are typically responsible for an entire solar panel system, microinverters are installed at the individual solar panel site. Most solar panel systems with microinverters include one microinverter on every panel, but it's not uncommon for one microinverter to connect to a handful of panels.

Where should a microinverter sit on a solar panel?

Alternatively, string inverters typically sit more conveniently on the side of your house. Clipping refers to power losses associated with microinverters and is an important consideration when shopping for a solar panel system. Often, the power output rating of your microinverter is lower than that of the panel itself.

What are micro-inverters?

Micro-inverters perform the same function as string inverters but are individually installed underneath each solar panel.

How does a solar inverter work?

Think of it like this: Solar panels capture energy from sunlight. Inverters harness that energy to create electricity compatible with your home. More specifically, inverters convert the direct current (DC) electricity your solar

panels generate into alternating current (AC) electricity that your home appliances can use.

Why is my microinverter not working?

Often, the power output rating of your microinverter is lower than that of the panel itself. If your solar panel produces more electricity than its microinverter can convert at a given moment, clipping occurs, and your system can't take advantage of the full power output of your solar panel.

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