

## SolarInnovate Energy Solutions

# Can the inverter battery survive a power outage



## Overview

---

If your system includes an automatic transfer switch or a smart hybrid inverter, then yes—your battery will automatically take over within seconds of a grid outage. Does a solar inverter work during a power outage?

To ensure your solar inverter functions during a power outage, consider installing a hybrid solar inverter that is designed to work with battery storage. This type of inverter automatically switches to battery power when the grid goes down, allowing you to keep essential appliances running.

Will a grid tied inverter work if there is a power outage?

If there's stored power, it will work just fine. The inverter will detect the grid outage and automatically switch into battery mode to power your home using the stored energy. If your grid-tied system doesn't come with a home battery storage, it will likely shut down.

Can a solar inverter keep your power on in a blackout?

To keep your power on in a blackout, you need a solar inverter that can remove your home from the grid, along with a generator or battery for longer-term energy needs. By creating your own little "island" of a home with solar panels and batteries, you can run essential appliances for days during a power outage.

How do I keep my solar power inverter running during an outage?

To keep your solar power inverter running during an outage, having battery storage is essential. If you only have a grid-tied system, your inverter will shut down when the grid goes down to protect utility workers from potential hazards. In this situation, you won't have access to any solar energy being produced.

What happens if a solar inverter goes out?

In the event of a power outage, these inverters can automatically switch to

using stored energy from the batteries while also allowing solar panels to generate electricity during the day. This seamless transition ensures that you can continue to draw power from your system, keeping essential appliances running.

Do inverters work without grid power?

Hybrid or off-grid inverter: Standard inverters won't work without grid power. You need a hybrid inverter capable of disconnecting from the grid and switching to battery power seamlessly. Backup gateway or EPS (Emergency Power Supply): This ensures that during a grid outage, your battery can safely isolate and continue supplying electricity.

## Can the inverter battery survive a power outage

---



**Deye Official Store**

**10 years**  
warranty

### Inverters that allow use of power when provider is down?

Jan 13, 2023 · In these type systems the grid is connected through the new battery-based inverter - grid is still disconnected in an outage, but the battery DC power is inverted to AC to provide ...

## Can solar inverters continue to work during a power outage?

Jul 29, 2025 · Standard grid-tie solar inverters rely on grid support to function. Their primary role is converting solar energy for grid feed-in, and they automatically shut down during outages (due ...



### Why Backup Inverters and Batteries Are Essential in Power Outage ...

Aug 8, 2025 · When grid electricity fails, the backup inverter instantly switches power to the battery bank, avoiding any break in power supply. Real Scenario: In several homes I've ...

## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://institut3i.fr>