

# Sometimes even your backup needs a backup

Introducing Sunlight Jump Start™ with IQ8™ Microinverters

Today, outages are more frequent, and often last longer. Now, IQ8-based solar + battery systems include Sunlight Jump Start so your system starts when the sun shines—even if the grid is out for days.

## Here's how it works

In the energy industry, “black start” refers to the ability to energize or jump start an AC electrical grid during black out conditions.

Historically, solar battery backup systems have relied on the battery to initiate backup power to the home. However, if your battery backup system is fully depleted due to a prolonged grid outage, like during a storm, the battery will not be able to restart the system, even when the sun returns.

## Delivering peace of mind

Sunlight Jump Start—available only with IQ8—solves this problem for the first time as the solar microinverter can energize the home from sunlight and jump start the system, even after the batteries are depleted. With other systems it requires visits by an installer to manually restart the system when the grid is down.

So, when the sun comes out, your IQ8-powered system will restart, recharge the batteries, and power the home—just as you would expect.

## Why it's a must for every Enphase energy system:



### Future-proof solar-only systems

Even if you are starting with a solar-only system, the incremental investment now in a IQ8 Microinverter-enabled system ensures that when you add batteries your system will always be available, even during extended outages.



### Maximize resiliency

For systems with home batteries, help ensure your system can restart, after your batteries have fully depleted.



### Minimal investment

Sunlight Jump Start is integrated into every IQ8 Microinverter, resulting in a minimal investment to provide you with peace of mind and maximum resiliency.



## Why should I invest in IQ8 Microinverters if I am building a solar-only system?

1. Use higher output panels and increase maximum continuous power.
2. Overall system will react to grid events quicker with a faster custom ASIC chip.
3. Even more reliability as IQ8 Microinverters reduce the total number of parts versus previous generation microinverters.
4. Future-proof your solar-only investment when you add battery backup later.