

Enphase IQ Battery storm preparedness guide for homeowners

Applicable regions: North America

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Contents

1	Homeowner storm preparedness.....	3
1.1	Preparing for an outage using the Enphase App.....	3
2	Manage power during an outage.....	3
2.1	Conserve power usage.....	3
2.2	Monitor the battery charge overnight.....	4
3	Restarting the batteries during an extended outage.....	4
4	Monitoring your system without internet.....	5
5	Getting help.....	6
6	Revision history.....	6

1. Homeowner storm preparedness

You can take some important steps to get the most out of your IQ Batteries during a storm.

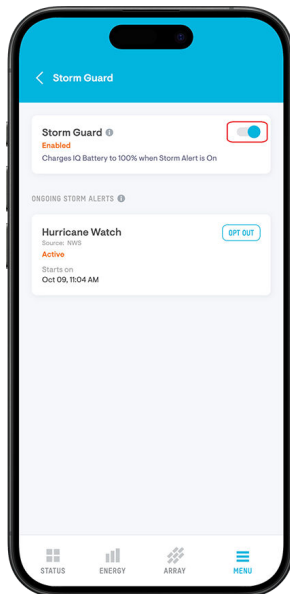
1.1 Preparing for an outage using the Enphase App

Use the Enphase App to prepare for storms by enabling Storm Guard and turning on notifications.

Enable Storm Guard

When you enable Storm Guard, your Enphase Energy System monitors the National Weather Service for approaching storms. If a storm warning is detected, the batteries automatically charge to full capacity so that you are ready when the power goes out.

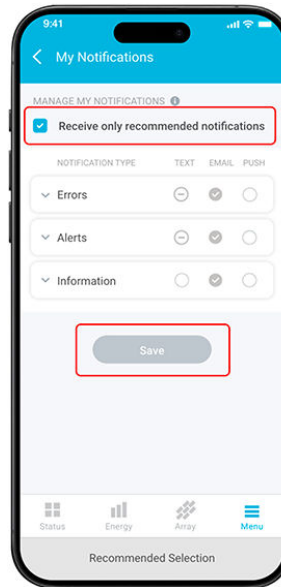
1. Open the Enphase App on your mobile device and tap **Menu > Settings > Profile > Storm Guard**.
2. Enable the **Storm Guard** toggle.



Turn on notifications

Turn on notifications to get important updates about your system and stay informed about any communication or hardware issues. You can receive notifications through text messages, email, and push notifications.

1. Open the Enphase App, and then tap **Menu > Account > My Notifications**.
2. On the **My Notifications** page, select **Receive only recommended notifications**, and then tap **Save**.



2. Manage power during an outage

2.1 Conserve power usage

During an outage, use the energy in the batteries sparingly to extend the duration of your backup power. We recommend that you use only critical electrical appliances such as refrigerators, lighting, and communication devices.

You can conserve a significant amount of energy by turning off large appliances such as air conditioning units, electrical heaters, microwaves, ovens, washing machines, dishwashers, pool pumps, water heaters, televisions, and gaming consoles.

2.2 Monitor the battery charge overnight

It is important to monitor the batteries' charge levels overnight during a grid outage. If the charge drops to the [Battery shutdown level](#) (set at 10% by default) at night, your system will stop powering your home, and then wait for solar power in the morning to recharge the batteries. After the sun rises, your system will start powering your home.



NOTE: If your system has IQ7 Series or older microinverters, it will start powering your home at 9:30 a.m.

While your home is running on battery backup power, keep an eye on the battery LEDs:

- Slow green flashing LEDs (- - -): Batteries are charging.
- Slow blue flashing LEDs (- - -): Batteries are discharging (solar power is insufficient for current usage).

If the batteries are discharging when solar power is available, turn off appliances to allow the batteries to recharge. This helps ensure you have backup power during periods of insufficient sunlight.

3. Restarting the batteries during an extended outage

If your system does not automatically turn on when solar power returns during an outage, you can contact our emergency support team. Call 877-797-4743, and then select option #3.

You can also try manually restarting your IQ Batteries. The restart instructions vary depending on the IQ Battery model in your system. To find out which IQ Batteries you have, open the Enphase App, and then tap **Menu > System > Devices > Battery**.

To restart IQ Battery 5Ps, follow these steps:

1. Turn off all the backup appliances in your home, and then wait for 10 minutes.
2. Turn off all the batteries by pressing the DC switch on each battery.
3. Wait for 5 minutes, and then turn the batteries back on by pressing the DC switch on each battery.
4. When the (↔) LED on the IQ Gateway turns solid green, turn on the backup appliances one at a time.

To restart previous IQ Battery models (3/10/3T/10T), follow these steps:

1. Turn off all the backup appliances in your home, and then wait for 10 minutes.
2. Remove the battery covers. For instructions, see:
 - [How to remove an IQ Battery 3/10 cover](#)
 - [How to remove an IQ Battery 3T/10T cover](#)
3. Turn off the DC switches on all the batteries.
4. Wait for 5 minutes, and then turn on the DC switches on all the batteries.
5. When the (↔) LED on the IQ Gateway turns solid green, turn on the backup appliances one at a time.

6. Replace the battery covers. For instructions, see:

- [How to install an IQ Battery 3/10 cover](#)
- [How to install an IQ Battery 3T/10T cover](#)

IQ Battery 10C and 10CS (automatic recovery—no manual restart required)

Your system includes an automatic state-of-charge recovery feature. When operating off-grid and the battery charge is low, the system automatically shuts down the microgrid. It then waits for sunlight, recovers energy from the solar panels (PV), and restores the microgrid without requiring an installer or electrician.

When the battery reaches approximately 10% SoC (5% with IQ8 PV only), the backup relay in the IQ Combiner 6C opens, allowing the battery to conserve its remaining energy until sunlight is available.

During daylight hours, the battery attempts to restart at progressively longer intervals: 10, 20, 40, and then 120 minutes. During each attempt, the battery forms a microgrid and operates for up to 6 minutes or until it loses 0.5% SoC, whichever occurs first, before shutting down again.

The battery charges using available sunlight while the backup relay remains open, keeping your home loads disconnected. This allows the battery to charge even with very low PV power because all available solar energy is directed to the battery. When the battery's state of charge (SoC) reaches 10% above the configured reserve SoC (very low SoC or VLS), the backup relay closes, restoring the microgrid and powering your home's backed-up loads. By default, this occurs at approximately 20% SoC (or 15% SoC when using IQ8 PV only), but the actual threshold may vary if the reserve SoC setting has been customized.



NOTE: Automatic charge recovery works with any PV. With IQ8 PV, the PV starts automatically each morning (Sunlight Jumpstart), allowing the battery to recover charge even when its SoC is 2% or lower.

If the battery remains at 0% SoC after a full day of adequate sunlight, or after grid service has returned, contact your installer for assistance.

4. Monitoring your system without internet

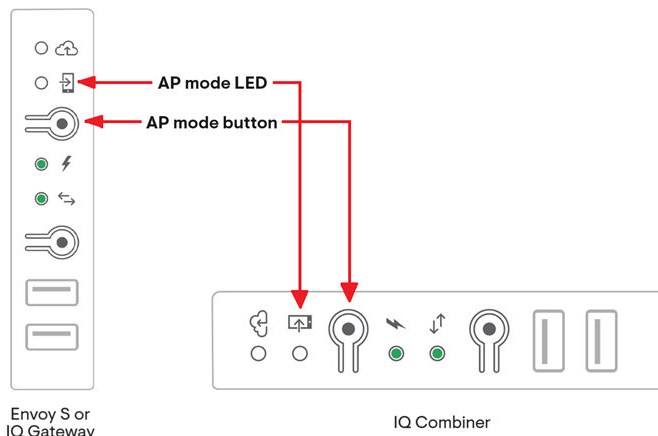
When your home Wi-Fi internet connection is unavailable, the IQ Gateway broadcasts a wireless hotspot network, which you can connect to and monitor your system.

To see your system's live status, follow these steps:

1. On your mobile device, find and connect to the wireless network called **Envoy_XXXXXX**. XXXXXX refers to the last six digits of the IQ Gateway serial number.
2. Open the Enphase App to see your system's live status.



NOTE: If the wireless hotspot network is not broadcasting, press the AP mode button on the IQ Gateway. After the AP mode [LED on the IQ Gateway](#) turns solid green, connect your mobile device to the wireless network.



Location of the AP mode button on the IQ Gateway



5. Getting help

For emergencies, you can contact us. Call 877-797-4743, and then press #3 for a grid outage specialist. We are available 24/7.

6. Revision history

Revision	Date	Description
TEB-00183-4.0	August 2026	Updated the “Restarting the batteries during an extended outage” section.
TEB-00183-3.0	March 2026	Editorial updates.
TEB-00183-2.0	October 2024	Edited the Enable Storm Guard feature in section “Preparing for an outage using the Enphase App”.
TEB-00183-1.0	July 2024	Initial release.