

# The solar inverter shows that the grid is over-frequency



## Overview

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This error indicates that the frequency of the electricity grid exceeds the acceptable range for the inverter to operate safely. This protects the inverter and the grid from potential. This guide helps troubleshoot a "Grid Over Frequency" error on an Autarco inverter. OV-G-V = over-grid voltage detected UN-G-V = under-grid voltage detected OV-G-F = over-grid frequency detected UN-G-F = under-grid frequency. The microinverter reports that the utility's frequency is either too low or too high, as specified by applicable regional standards. Frequency Out of Range events is usually transient and self-correcting by the utility. Did you find it helpful?

Yes No Cause- Inverter detects grid Frequency as too high Solution- Test – DC switch OFF. Understanding Grid Over Voltage & Grid Over Frequency with Solar PV Inverters - YouTube AboutPressCopyrightContact usCreatorsAdvertiseDevelopersTermsPrivacyPolicy & SafetyHow YouTube worksTest new featuresNFL Sunday Ticket © 2025 Google LLC Grid overvoltage and grid overfrequency errors are common. Power grid exception: The power grid frequency is higher than the frequency required in the local standard. If the alarm occurs occasionally, the power grid may be abnormal.

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### [Understanding Grid Over Voltage & Grid Over Frequency with Solar ...](#)

Grid overvoltage and grid overfrequency errors are common issues encountered with PV inverters, including Solis & Solax inverters, especially during periods

### [OV-G-F: Grid over frequency](#)

This guide helps troubleshoot a "Grid Over Frequency" error on an Autarco inverter. This error indicates that the frequency of the electricity grid exceeds the acceptable range for the inverter to operate safely.



### [Common Solar Inverter Issues and How to Fix Them](#)

Solar inverters are the workhorses of any solar power system. They take the raw DC electricity from your panels and turn it into the AC power your home or business actually uses. When ...



### [Grid Alarms: OV-G-V, UN-G-F, OV-G-F, UN-G-F](#)

If the inverter is throwing constant and persistent alarms of the same type (example: OV-G-V01), then it is allowed to increase the upper voltage trip settings.

## Applications



### [Stop Confusion: Why Inverters Cut Out When the Grid Fails](#)

Lights go out. Your solar panels sit in the sun. Yet the inverter stops. This is not a bug. It is a safety feature called anti-islanding. It protects utility crews, your equipment, and the grid. Here is ...

### [Grid Outages and the Magic of Frequency Shifting](#)

Under grid outage conditions, during the day with the house loads being met by your PV system and Powerwall being at or near full state of charge (97-100 percent), Powerwall will shift the frequency ...



### [Enphase Grid Frequency Out of Range - Troubleshooting](#)

Learn why your Enphase inverter shows grid frequency out of range and how to fix it.

## Grid Frequency Fault

1.If the alarm occurs occasionally, the power grid may be abnormal temporarily. The inverter automatically recovers after detecting that the power grid becomes normal.



### [How to fix AC Frequency Out Of Range?](#)

The microinverter reports that the utility's frequency is either too low or too high, as specified by applicable regional standards. AC frequency is the frequency at which voltage varies on the utility grid.

## Contact Us

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