



BUHLE POWER

Huawei inverter string voltage is high





Overview

What are the most common Huawei inverter fault codes?

These point to more serious issues, such as hardware failures, grid faults, or overheating, and often require professional solar servicing. Now, let's break down some of the most common Huawei inverter fault codes, including what they mean, and how you can troubleshoot them.

1. Error Code 202 – Abnormal invert circuit.

What if a PV string input voltage is too high?

Description: High string input voltage. **Open-circuit voltage exceeds the maximum input voltage.** **What to do:** Contact your solar installer. Check the number of PV modules connected in series in the PV string, and ensure that the PV string open-circuit voltage is no greater than the maximum operating voltage.

What should I do if my Huawei inverter is not working?

Contact your local power operator if the grid connection voltage exceeds the upper threshold. Once complete, modify the overvoltage protection threshold. Make sure the peak grid voltage is under the upper threshold. If the error persists, contact Huawei technical support or your dealer to fix it.

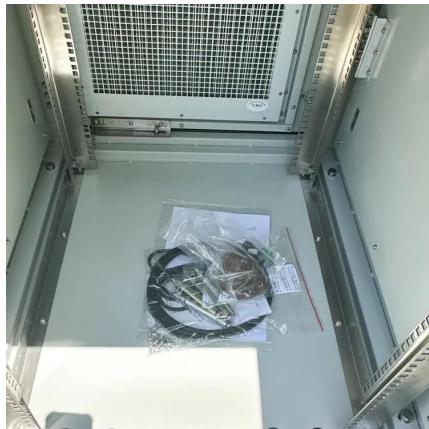
Will I Need to Replace My Huawei Inverter?

Are Huawei inverters good?

A typical Huawei inverter review highlights features such as: Durability, as Huawei inverters package robust weather protection. But, remember: Huawei inverters may be great, but the key to avoiding those annoying faults is regular monitoring, proper installation, and timely repairs. When to seek professional help?



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[Common Inverter Alarms](#)

If the voltage exceeds the inverter's operating range, reduce the number of modules in that string, and simultaneously adjust the number of modules in other strings to maintain consistency in ...

[Huawei Inverter Problems?: Our Troubleshooting Guide](#)

Mar 3, 2025 · Huawei is a global technology giant, renowned for its technological advancements - in telecoms, smartphones, and more recently renewable energy. While it's a Chinese company ...



[2014 High String Voltage to Ground](#)

2014 High String Voltage to Ground Alarm Attribute Possible Cause Suggestion If no PID compensation device is deployed in the system, disable the PID protection function. Note: If ...

[Smart PV Troubleshooting Guide](#)

This document provides common troubleshooting cases for Huawei residential Smart PV solution and provides reference for engineers and users to handle common issues.



[Inverter Connected to the Grid, but Data Is Abnormal](#)

The working voltage of the DC string is not within the full load voltage range of the inverter. The voltage difference between different MPPT is too large, resulting in abnormal derating. Grid ...



[Huawei Inverter Error Codes - Resolve them in 3 easy steps.](#)

May 6, 2023 · Description: High string input voltage. Open-circuit voltage exceeds the maximum input voltage. What to do: Contact your solar installer. Check the number of PV modules ...



[Other Abnormal Conditions of the Inverter](#)

Aug 18, 2025 · Symptom Description The inverter's reactive power capability is enabled at night, and the PID protection is also activated during the night. However, the inverter does not ...



[List of Huawei Inverter Error Codes & Solutions](#)

Oct 11, 2021 · Ensure that the PV string open-circuit voltage does not exceed the maximum inverter operating voltage. Once you configure the PV array correctly, the inverter alarm will ...



[List of Huawei Inverter Error Codes](#)

Oct 11, 2021 · Ensure that the PV string open-circuit voltage does not exceed the maximum inverter operating voltage. Once you configure the PV array ...

[Huawei SUN2000 -- Installation & Fault Codes \(Professional ...\)](#)

Oct 1, 2025 · The Huawei SUN2000 series is a high-power commercial/grid-tied PV inverter family designed for utility and commercial PV plants. This guide focuses on practical, installer-level ...



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