

# The inverter's high voltage output is weak

What are the most common faults on inverters?

In this article we look at the 3 most common faults on inverters and how to fix them: 1. Overvoltage and Undervoltage  
Overvoltage This is caused by a high intermediate circuit DC voltage. This can arise from high inertia loads decelerating too quickly, the motor turns into a generator and increases the inverter's DC voltage.

What causes a DC inverter to overvoltage?

This can arise from high inertia loads decelerating too quickly, the motor turns into a generator and increases the inverter's DC voltage. There are other causes of DC overvoltage, however. POSSIBLE FIXES: Turn the overvoltage controller is on. Check supply voltage for constant or transient high voltage. Increase deceleration time.

What are the most common power inverter problems?

Over 60% of inverter failures stem from preventable problems such as loose connections, overloaded circuits, or poor maintenance. This guide takes an in-depth look at the most common power inverter problems faced by users and provides actionable solutions backed by specialized knowledge.

Why is the AC side voltage of the inverter too high?

Reasons why the AC side voltage of the inverter is too high: (1) The cable between the inverter and the grid connection point is too thin, too long, entangled, or the cable material is unqualified, causing the voltage on the AC side of the inverter to rise ( $U$  increases).

Why does my inverter keep shutting down?

The inverter will shut down if the input voltage from the battery drops too low (often below 10.5V). This protects the battery from damage. Recharge or replace the battery to bring the voltage back to a sufficient level. Check for a charging system failure if the battery isn't recharging properly.

Why is my inverter screen not working?

Reason 3: The DC input voltage is too low. When the string output voltage is lower than the minimum input voltage of the inverter, there is no display on the inverter screen. To make sure, you can use a multimeter to measure the output voltage of the photovoltaic string to see whether the voltage reaches the minimum input voltage of the inverter.

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