

ContainerPower Energy Solutions

Inverter reports reference voltage error



Overview

Why do inverters have error codes?

When an issue arises, the inverter communicates the problem using error codes. These codes serve as a diagnostic tool for both users and technicians, helping to pinpoint the source of the problem quickly. Understanding these error codes can save you time and money.

How to check if an inverter is overvoltage?

Then measure the input voltage or check the DC bus parameter at fault (you can check this parameter in the monitor parameter set of the inverter). Input overvoltage of the inverter is usually caused by a problem with the substation that increases the voltage at the inverter power supply.

What are ABB inverter error codes?

In the first group of ABB inverter error codes, an error message and an LED display are shown, but no alphanumeric code is displayed. The codes, possible causes, and solutions are as follows: Ground fault in the photovoltaic generator due to a leaked current on the system's DC side. Measure the insulation resistance.

Can a DC inverter overvoltage be measured?

One thing to keep in mind with the overvoltage fault is that it only happens instantaneously at a certain time. Therefore you can only monitor the DC bus voltage stored on the inverter at the time of failure, it is not possible to measure the overvoltage at this time.

What should I do if the inverter is not working?

If the grid operator gives his approval, discuss any changes to the operating parameters with the SMA Service Line. The DC input voltage connected to the inverter is too high. This can destroy the inverter. Immediately disconnect the PV module from the inverter. Check whether the DC voltage is below the

maximum input voltage of the inverter.

Why is my inverter displaying error code 404?

When the DC bus voltage in the inverter exceeds the safe limit, it triggers error code 404. This issue can be a result of a malfunction in the inverter or external factors. Here's how to deal with it: Solution: Turn off the inverter immediately to prevent further damage. Check the wiring and connections for any loose or damaged parts.

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