

What is PV abnormal alarm (548-551)?

It is not a statement or advice on any of the Electrical or Solar Industry standards or guidelines. Please observe all OH&S regulations when working on Sungrow equipment. PV Abnormal Alarm (548-551) is a warning indicating that the inverter is detecting an unexpected amount of current through the strings or the MPPT.

Why is the PV array not properly configured?

The PV array is not properly configured. Excessive PV modules are connected in series to PV strings 1 and 2, and therefore the PV string open-circuit voltage exceeds the maximum value of the inverter MPPT voltage. The PV array is not properly configured.

How do I know if my inverter is faulty?

If multiple strings are connected to the inverter, find the faulty string by connecting one string at a time to the inverter and checking if the error is still displayed (follow the procedure Identifying an Isolation Fault Using SetApp on page 2). Verify that only the faulty string is connected to the inverter.

How to fix sun2000 alarm?

Reduce the number of PV modules connected in series to PV strings 5 and 6 until the open-circuit voltage is less than or equal to the maximum inverter input voltage. After the PV array configuration is corrected, the SUN2000 alarm disappears. PV strings have been shielded for a long time. PV strings have deteriorated.

How do I know if my PV string is faulty?

If the PV string is clean of contaminants and not shielded, check whether the PV modules are faulty. The PV string is reversely connected. Only a few PV modules are connected in series to the PV string, and therefore the end voltage is lower than that of other PV strings. Check whether the PV string is reversely connected to the SUN2000.

How do I Turn Off PV alarm on my sg10ktl-mt?

Figure 6 Bluetooth Login Once logged in, click on "More" on the bottom right, go into "Advanced Settings", select "String Detection" and simply turn off. A special case for PV abnormal alarm to occur is when it is caused due to both reasons mentioned above. This is mostly common for SG10KTL-MT.

The inverter's input voltage surpasses the inverter's acceptable upper limit. Using a voltmeter, measure the input voltage inside the inverter. If it's higher than the upper limit of the inverter's ...

Check whether there is an error between the AC voltage displayed by the inverter and the AC voltage detected by the multimeter. If there is an error, try to restart the inverter. If it is still not ...

This article describes troubleshooting the Abnormal Grid Voltage alarm (High or Low voltage in the grid). Diagnostic tools. To solve the issue you may need the following instruments: AC voltmeter, pyrometer or ...

Defective PV Inverter Defective PV module frame Open circuit fault of SPD Fig. 3. FTA analysis results for the cause of decrease in power generation output 0 0 100 150 200 250-1.5-1-0.5 0 ...

Troubleshooting steps and methods. 1. Use a multimeter to measure if the string voltage is too high. 2. Use a clamp meter to measure whether the string current is consistent with the ...

2 2 Network Application 2 2 1 Grid-tied PV Power Systems This series applies to grid-tied PV power systems for industrial/commercial rooftops, fishing/farmers light complementary power generation systems and large ground-based ...

Diagnose your Sungrow alarm codes in 3 simple steps and get back on track to generating solar power sooner with this ultimate guide. ... In cases such as grid abnormality, the Sungrow inverter will reconnect once the ...

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 disappear. 2. 2002: ...

Fault codes and troubleshooting steps PV abnormal alarm 078-081_220-227. Fault codes and troubleshooting steps PV abnormal alarm 078-081_220-227. ... Use a multimeter to measure if ...

Grid unbalanced is an important issue that causes this alarm for the inverter because the inverter will monitor the grid voltage in real time. When the three-phase waveform of the grid is abnormal, the inverter will ...