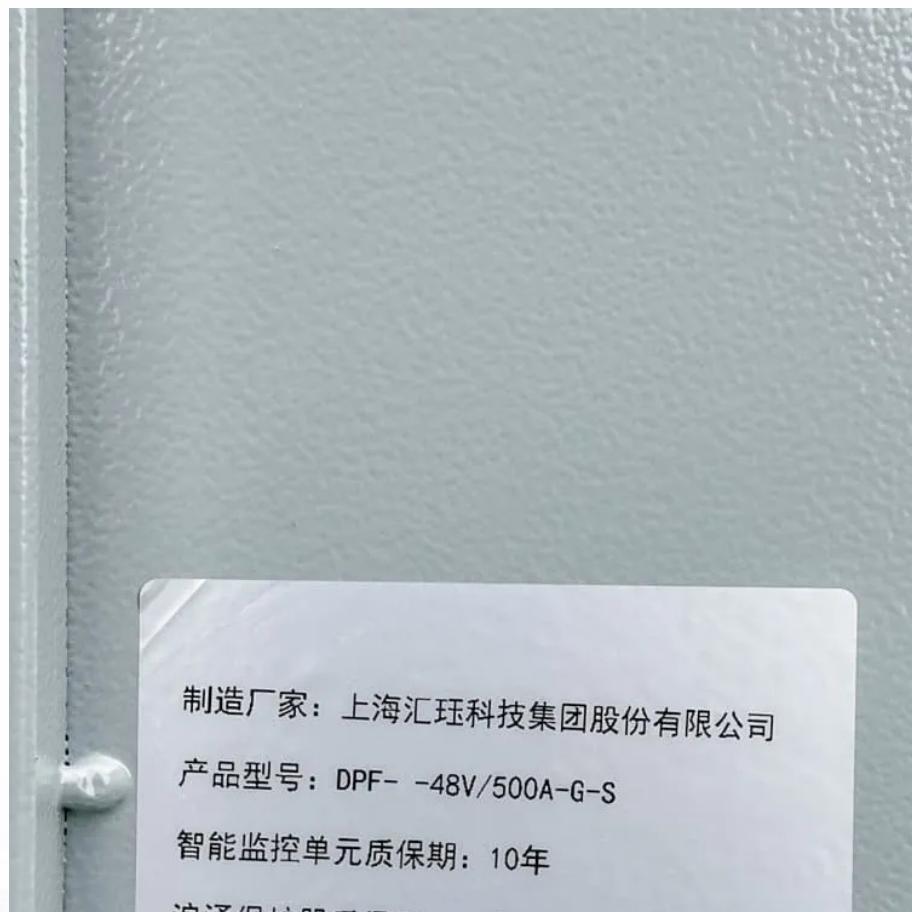




BUHLE POWER

# The inverter ac voltage is getting higher and higher





## Overview

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What causes a solar inverter to fail?

The AC voltage overrange is the most common failure of the solar inverter connected with the PV grid system. This is because the grid voltage is not constant and it will change with the changing of the load and current. At the same time, the output voltage of the inverter will be affected by the grid voltage.

Why does my inverter display a grid overvoltage?

When the inverter is connected to the grid-connected voltage range, the inverter will display the grid overvoltage. In addition, the cable used by the inverter to the grid point is too long, too thin, entangled or the material is not in compliance, which will lead to an increase in the voltage difference at the AC terminal of the inverter.

What happens if a grid connected inverter is too far away?

If the grid-connected inverter is too far away from the grid connection point, the voltage difference on the AC terminal side of the inverter will increase. When the inverter is connected to the grid-connected voltage range, the inverter will display the grid overvoltage.

Why does a single phase inverter have a high voltage?

It is often the case that multiple single-phase inverters are connected to the same phase, which can easily lead to grid voltage imbalance, and the grid voltage rises, which naturally causes the grid-connected voltage to be too high.



## The inverter ac voltage is getting higher and higher



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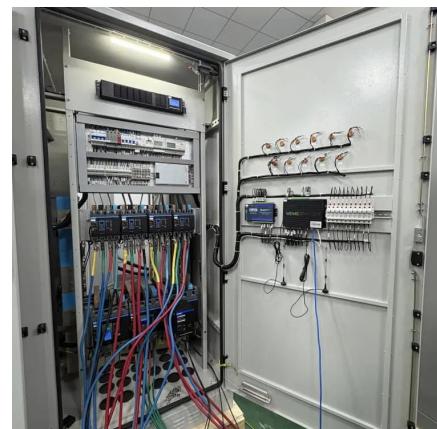


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