

1-phase String Inverter-FAQ

Fault code and troubleshooting steps of 1-phase string inverters

Applicable to: 1-phase string inverters

Ambient temperature sensor short circuit sensor (Code 504)

Fault name	Ambient temperature sensor short circuit alarm (fault code: 504)
Fault type	Alarm
Fault condition	Short circuit of ambient temperature sensor detected.
Steps and methods of troubleshooting	1. Restart the inverter by switching power off and on again. 2. Check, if the wiring of the temperature sensor at the inverter is loose or damaged.

Inverter temperature sensor open circuit alarm (Code 505)

Fault name	Inverter temperature sensor open circuit alarm (fault code: 505)
Fault type	Alarm
Fault condition	Open circuit of inverter temperature sensor detected.
Steps and methods of troubleshooting	1. Restart the inverter by switching power off and on again. 2. Check, if the wiring of the temperature sensor inside the inverter is loose or damaged.

Inverter temperature sensor short circuit alarm (Code 506)

Fault name	Inverter temperature sensor short circuit alarm (fault code: 506)
Fault type	Alarm
Fault condition	Short circuit of inverter temperature sensor detected.
Steps and methods of troubleshooting	1. Restart the inverter by switching power off and on again. 2. Check, if the wiring of the temperature sensor inside the inverter is loose or damaged.

For further information, please download the user manual [here](#).

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.

The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.