3-phase String Inverter-FAQ

Fault code and troubleshooting steps of 3-phase string inverters

Applicable to: 3-phase string inverters

Leakage current sampling channel fault (Code 041)

Fault name	Leakage current sampling channel fault (fault code: 041)
Fault type	Failure shutdown
Fault condition	The sampling channel is abnormal (test the hardware when inverter starts up, not when inverter is in operation.)
Steps and method of troubleshooting	Repair by replacing the inverter.

Low ambient temperature (Code 043)

Fault name	Low ambient temperature (fault code: 043)
Fault type	Failure shutdown
Fault condition	The temperature in the machine is lower than -29°C for 1s
Steps and method of troubleshooting	1. Check whether the external ambient temperature is normal. Keep the ambient temperature higher than -25°C for 4s. 2. Check whether the power module is normal. If it is abnormal, please replace the power board. If the power module is normal, it is recommended to replace the complete inverter.

Abnormal AC-current sampling channel (Code 048)

Fault name	Abnormal AC current sampling channel (fault code: 048)
Fault type	Fault shutdown
Fault condition	Sampling channel abnormality (detected when inverter starts, not detected during operation.)
Steps and methods of troubleshooting	It is recommended to replace the inverter.

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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.

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