3-phase Hybrids-FAQ

Fault code and troubleshooting steps of SHxxRT

Applicable to: SHxxRT series

Inverter overcurrent hardware fault (Code 100)

Fault name	Inverter overcurrent hardware fault (fault code: 100)
Fault type	Malfunction
Fault condition	The hardware sampling current is high, exceeding -67.4A or +66.8A.
Steps and method of troubleshooting	In case of abnormal inverter current sampling or hardware failure, the inverter needs to be replaced.

Ground wire fault (Code 106)

Fault name	Ground wire fault (fault code: 106)
Fault type	Malfunction
Fault condition	When the inverter is in operation, if the neutral-to-ground voltage rises above 60V for 1s, a fault is reported, that is, a short circuit or low resistance occurs between the live wire and the ground.
Steps and method of troubleshooting	1. Check whether the ground wire is connected or connected securely. 2. Use a multimeter to measure the voltage to ground of the phases respectively. 3. Use an insulation resistance tester to test the phase-to-ground insulation.

For further information, please download the user manual here.

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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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