

1-phase String Inverter-FAQ

Fault code and troubleshooting steps of 1-phase string inverters

Applicable to: 1-phase string inverters

PV reverse connection fault (code 028/029)

Fault name	PV reverse connection fault (fault code: 028/029)
Fault type	Failure shutdown
Fault condition	<ol style="list-style-type: none"> 1. The positive and negative electrodes of PV1/2 are connected reversely. 2. The input voltage of PV1 is less than 1V and the current is less than -2.8 A for 500ms. 3. The input voltage of PV2 is less than 1V and the current is less than -2.8 A for 500ms.

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.