

Sungrow SG3.0-20.0RT Multi MPPT String Inverter Installation Guide

Contents

- [1 Sungrow SG3.0-20.0RT Multi MPPT String Inverter](#)
- [2 INSTRUCTION](#)
- [3 Safety](#)
- [4 Documents / Resources](#)



Sungrow SG3.0-20.0RT Multi MPPT String Inverter

INSTRUCTION

1. Contents may be periodically updated or revised due to product development. The information in this guide is subject to change without notice. In no case shall this guide substitute for the user manual or related notes on the device.
2. Make sure to read over, fully understand and strictly follow the detailed instructions of the user manual and other related regulations before installing the equipment. The user manual can be downloaded by visiting the website at <http://support.sungrowpower.com/>; or it can be obtained by scanning the QR code on the side of the equipment or the back cover of this guide.
3. All installations must be performed by qualified personnel who should have training for installation and commissioning of electrical system, as well as dealing with hazards, have knowledge of the manual and of the local regulations and directives.
4. Before installation, check that the package contents are intact and complete compared to the packing list. Contact SUNGROW or the distributor in case of any damaged or missing components.
5. The cable used must be intact and well insulated. Operation personnel must wear proper personal protective equipment (PPE) all the time.
6. Any violation could result in personal death or injury or device damage, and will void the warranty.

Safety

The inverter has been designed and tested strictly according to international safety regulations. Read all safety instructions carefully prior to any work and observe them at all times when working on or with the inverter. Incorrect operation or work may cause:

- injury or death to the operator or a third party; or
- damage to the inverter and other properties.

Please follow the safety instructions related to the PV strings and the utility grid.

Lethal voltage!

- PV strings will produce electrical power when exposed to sunlight and can cause a lethal voltage and an electric shock.
- Only qualified personnel can perform the wiring of the PV panels.

NOTICE

Danger to life from electric shock due to lethal voltage!

- All electrical connections must be in accordance with local and national standards.
- Only with the permission of the utility grid, the inverter can be connected to the utility grid.

Inverter

The icons on the inverter body are as follows

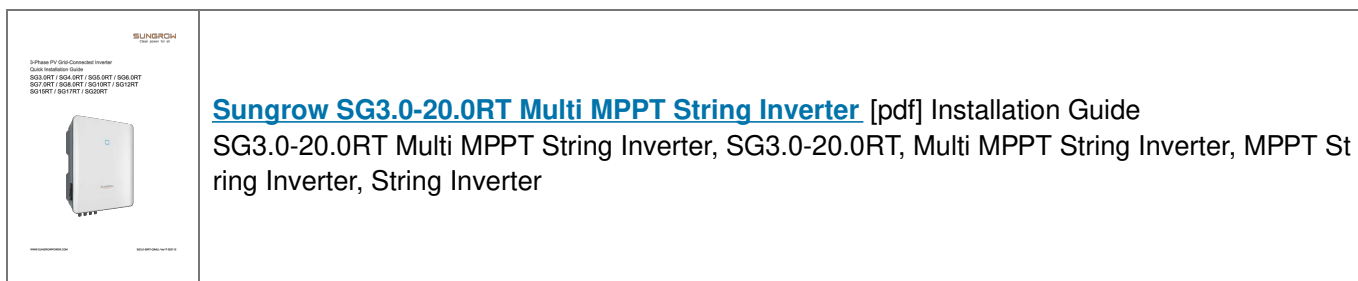
- Disconnect the inverter from all the external power sources before maintenance!
- Danger to life due to high voltages! Do not touch live parts for 10 minutes after disconnection from the power sources. Only qualified personnel can open and service the inverter
- Burn danger due to hot surface that may exceed 60.
- Read the user manual before maintenance!
- RCM mark of conformity.
- TuV mark of conformity.
- Do not dispose of the inverter together with household waste.
- Additional grounding point.
- CE mark of conformity. EU/EEA Importer.
- The inverter does not have a transformer.
- UKCA mark of conformity.

DANGER

Danger to life from electric shocks due to live voltage

- • Do not open the enclosure at any time. Unauthorized opening will void warranty and warranty claims and in most cases terminate the operating license.
- When the enclosure lid is removed, live components can be touched which can result in death or serious injury due to electric shock.

Documents / Resources



[Sungrow SG3.0-20.0RT Multi MPPT String Inverter](#) [pdf] Installation Guide