



**BUREAU
VERITAS**

Certificate of compliance

Applicant: SMA Solar Technology AG
Sonnenallee 1, 34266 Niestetal
Germany

Product: Grid-tied photovoltaic (PV) inverter & Grid-tied bi-directional battery converter

Model: Grid connected photovoltaic inverter:
SC 4000 UP, SC 4200 UP, SC 4400 UP, SC 4600 UP,
SC 2500-EV-10
Grid-tied bi-directional battery converter:
SCS 1900-10, SCS 2900-10

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with EN 50549-2:2019 for photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter.

Connection rule: EN 50549-2:2019:
Requirements for generating plants to be connected in parallel with distribution networks - Part 2:
Connection to a MV distribution network - Generating plants up to and including Type B

Standards / directives for testing: FGW TG3, Rev. 25: 2018-09-01
CEI 0-16:2019-04
IEC 62116:2014

The power generating units, stated in the certificate, were tested and certified according to the technical guidelines referenced to the grid connection regulation. The electrical characteristics fulfil the requirements of the grid connection regulation:

- 4.4 Normal operating range
- 4.5 Immunity to disturbances
- 4.6 Active response to frequency deviation
- 4.7 Power response to voltage changes
- 4.8 EMC and power quality
- 4.9 Interface protection
- 4.10 Connection and starting to generate electrical power
- 4.11 Ceasing and reduction of active power on set point

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 15TH0407_EN50549-2_0 **Certification scheme:** NSOP-0032-DEU-ZE-V01
Certificate number: U20-0902 **Date of issue:** 2020-11-12



Certification body

Thomas Lammel



Certification body of Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065
A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH