



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** **Shenzhen Senergy Technology Co., Ltd.**  
Room 405, Building A, Co-talent Creative Park, No.2, LiuXianRoad, Block 68, Xin An Street, Bao' an District, ShenZhen  
P.R. China

**Product:** **Grid-tied photovoltaic (PV) inverter**

**Model:** **SE 50KTL, SE 50KTL-Q3/EU-CSB, SE 50KTL-Q3/EU,  
SE 50KTL-S3/EU, SE 50KTL-D3/EU,  
SE 60KTL, SE 60KTL-Q3/EU-CSB, SE 60KTL-Q3/EU,  
SE 60KTL-S3/EU, SE 60KTL-D3/EU**

**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

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:** 20TH0372\_EN50549-2\_0 **Certification scheme:** NSOP-0032-DEU-ZE-V01  
**Certificate number:** U20-0754 **Date of issue:** 2020-09-22

**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