



**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  
China

**Product:** SOLAR (PV) Grid INVERTER

**Model:** SE 17KTL-D3, SE 20KTL-D3, SE 22KTL-D3,  
SE 25KTL-D3, SE 28KTL-D3, SE 30KTL-D3,  
SE 17KTL-D3/EU, SE 20KTL-D3/EU, SE 22KTL-D3/EU, SE 25KTL-D3/EU,  
SE 28KTL-D3/EU, SE 30KTL-D3/EU, SE 30KTL-D3/EU-CSB

## Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with EN 50549-1:2019 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.

## Applied rules and standards:

### EN 50549-1:2019

Requirements for parallel connection of installations with distribution networks - Part 1: Connection to an LV distribution network - Production of installations up to and including Type B

- 4.4 Normal operating range
- 4.5 Immunity to disturbances
- 4.6 Active response to frequency deviation
- 4.7 Power response to voltage variations and 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
- 4.13 Requirements regarding single fault tolerance of interface protection system and interface switch

### EN 50438:2013

Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks

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:** PV200228N028  
**Certificate number:** U20-0514

**Certification Program:** NSOP-0032-DEU-ZE-V01  
**Date of issue:** 2020-07-02

Certification body



Thomas Lammel



Certification body Bureau Veritas Consumer Products Services Germany GmbH accreditation to DIN EN ISO/IEC 17065

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH