



**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

Products: **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**

The previously listed inverters are three-phase and have an automatic disconnection / connection device controlled by software, in accordance with the regulations stated below. The end user will not have access to the adjustment software.

The direct current injection of the inverter to the distribution network is less than 0,5% of the nominal alternating current of the inverter under normal conditions. The measurement was carried out as indicated in the "Note of interpretation of equivalence of the galvanic separation of the connection of low voltage generating facilities" of the Ministry of Industry, Tourism and Commerce.

Compliance with rules and regulations:

UNE 217002:2020

Grid connected inverters. Testing of requirements for DC grid injection, overvoltage generation and island operation detection system.

UNE 206007-1:2013

Requirements for connection to the electricity network Part 1: Inverters for connection to the distribution network

UNE 206006:2011

Island operation detection tests of multiple photovoltaic inverters connected to a parallel network

IEC 62109-2:2011 (4.8.2.1 Detection of the insulation resistance of the photovoltaic field for inverters for non-grounded arrays, 4.8.3.5.2 Test for the detection of excess continuous residual current, 4.8.3.5.3 Test for the detection of changes abrupt residual current)

Safety of the power converters used in photovoltaic power systems. Part 2: Particular requirements for inverters.

RD 661:2007

Regulates for the activity of production of electrical energy in special regime

RD 1699:2011

Regulation for connection to the network of installations for the production of electrical energy with small power.

RD 413:2014

Regulation for the activity of production of electrical energy from renewable energy sources, cogeneration and waste

At the time of issue of this certificate, the representative product listed above corresponds to the stated rules and standards.

Report number: **PVSP200513N031-1-R1**

Certification program:

NSOP-0032-DEU-ZE-V01

Certificate number: **U22-0094**

Date of issue:

2022-02-23

Certification body



Thomas Lammel



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

Testing laboratory accredited according to DIN EN ISO/IEC 17025

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