

# Certificate of compliance

**Applicant:** ALTENERGY POWER SYSTEM INC.  
Building 2, No. 522, Yatai Road, Nanhu District, Jiaxing City, Zhejiang 314050  
China

**Product:** Power Conversion System

**Model:** ELS-3K, ELS-5K

**The device is designed to work as a generation unit of the type:** A

Inverter for single-phase parallel connection to the public grid. The network monitoring and disconnection device is an integral part of the above-mentioned model.

**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 50549-10:2022**

Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units

**Commission Regulation (EU) 2016/631 of 14 April 2016**

Establishing a network code on requirements for grid connection of generators (NC RFG).  
Type approval for generation units to use in Type A plants.

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:** CQFZ-ESH-P24110133

**Certificate number:** U24-1145

**Certification Program:** NSOP-0032-DEU-ZE-V10

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**Accreditation**

