



# Certificate of Compliance

**Certificate:** 80069961

**Master Contract:** 259077

**Project:** 80171199

**Date Issued:** 2023-07-24

**Issued to:** ALTENERGY POWER SYSTEM INC.  
Building 2, No. 522 Yatai Road,  
Nanhu District, Jiaxing City, Zhejiang, 314050  
CHINA  
**Attention:** Kevin Lu

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only*



**Issued by:** *Magic Zhang*  
Magic Zhang

## PRODUCTS

CLASS - C531109 - POWER SUPPLIES - Distributed Generation Power Systems Equipment

CLASS - C531189 - POWER SUPPLIES - Distributed Generation-Power Systems Equipment - Certified to U.S. Standards

Bi-directional Power Conversion Equipment with low voltage battery input, Models ELS-5K and ELS-3K with Grid Support Utility Interactive mode or Stand-Alone mode with one optional Auto-Transformer Model T-A. Wall mounted, permanently connected.

For details related to rating, size, configuration, etc., reference should be made to the CSA Certification Record, Certificate of Compliance, Annex A, or the Descriptive Report.

## APPLICABLE REQUIREMENTS

CSA-C22.2 No.107.1-16

\*UL Std No. 1741

- Power Conversion Equipment
- Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Third Edition, Dated September 28, 2021)



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\*Note: Conformity to UL 1741(Third Edition, Dated September 28, 2021) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547.1-2005(R2011), California Rule 21, Supplement SA8-SA18 and IEEE 1547-2018, IEEE1547.1-2020, IEEE 1547a-2020. Grid support function is verified according to UL 1741 Supplement SA8-SA18 with the SRDs of California Electric Rule 21, and also verified according to UL 1741 Supplement SB and IEEE 1547.1-2020 with the SRDs of IEEE 1547-2018, IEEE 1547a-2020 and Hawaiian Electric Co. SRD-V2.0. While the grid support function evaluated according to IEEE 1547.1-2020, the interoperability is verified with IEEE 2030.5-2018 communication protocol.

Notes:

Products certified under Class C531109 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)

