



# Certificate of Compliance

**Certificate:** 80182239

**Master Contract:** 605772

**Project:** 80182239

**Date Issued:** 2023-09-08

**Issued to:** Fortress Power LLC  
2010 Cabot Blvd. W. Suite L  
Langhorne, Pennsylvania 19047  
United States  
**Attention:** JINZE ERIC WANG

*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 Transformerless Grid Support Utility Interactive Power Conversion Equipment, Models Avalon HV PC38, Avalon HV PC50, Avalon HV PC60, Avalon HV PC76, Avalon HV PC80, Avalon HV PC100 and Avalon HV PC114, 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**

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CSA-C22.2 No.107.1-16

\*UL Std No. 1741

\*\*UL 1699B

\*\*UL1741 CRD

- Power Conversion Equipment
- Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Third Edition, Dated September 28, 2021)
- Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Revision Dated August 22, 2018)
- Non-Isolated EPS Interactive PV Inverters Rated Less Than 30Kva (Dated April 26, 2010)

\*Note: Conformity to UL 1741(Third Edition, Dated September 28, 2021) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547a-2014, IEEE 1547.1-2005(R2011), IEEE 1547.1a-2015. 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.

\*\*Note: The functional safety has been evaluated according to applicable requirement of UL 1998-Edition 3 as required by the product standard.

#### 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)

