



Certificate of Compliance

Certificate: 80182239

Master Contract: 605772

Project: 80208912

Date Issued: 2024-04-29

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-S, Avalon HV PC76, Avalon HV PC80, Avalon HV PC99, 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

CSA-C22.2 No.107.1-16 - Power Conversion Equipment



Certificate: 80182239
Project: 80208912

Master Contract: 605772
Date Issued: 2024-04-29

- *UL Std No. 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Third Edition, Dated May 19, 2023)
- **UL 1699B - Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Revision Dated May 18, 2021)
- **UL1741 CRD - Non-Isolated EPS Interactive PV Inverters Rated Less Than 30kVA (Dated April 26, 2010)
- ***UL 1741 CRD - Power Control Systems (PCS) (Dated March 08, 2019)

***Note:** Conformity to UL 1741(Third Edition, Dated May 19, 2023) 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.

*****Note:** The evaluated ESS operating modes according to UL 1741 PCS CRD are: Export Only Mode and Import Only Mode.

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

