



Certificate of Compliance

Certificate: 80150649

Master Contract: 261002

Project: 80150649

Date Issued: 2023-10-30

Issued to: Hoymiles Power Electronics Inc.
No.18 Kangjing Road,
Hangzhou, Zhejiang, 310015
CHINA

Attention: Neutron 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, HYS-LV-US Series and HAS-LV-US Series, models HYS-3.8LV-USG1, HYS-4.8LV-USG1, HYS-6.0LV-USG1, HYS-7.6LV-USG1, HYS-9.6LV-USG1, HYS-11.5LV-USG1 and HAS-3.8LV-USG1, HAS-4.8LV-USG1, HAS-6.0LV-USG1, HAS-7.6LV-USG1, HAS-9.6LV-USG1, HAS-11.5LV-USG1. 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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- **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: Grid support function is 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





Supplement to Certificate of Compliance

Certificate: 80150649

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80150649	2023-10-30	Bi-directional Transformerless Grid Support Utility Interactive Power Conversion Equipment, HYS-LV-US Series and HAS-LV-US Series, models HYS-3.8LV-USG1, HYS-4.8LV-USG1, HYS-6.0LV-USG1, HYS-7.6LV-USG1, HYS-9.6LV-USG1, HYS-11.5LV-USG1 and HAS-3.8LV-USG1, HAS-4.8LV-USG1, HAS-6.0LV-USG1, HAS-7.6LV-USG1, HAS-9.6LV-USG1, HAS-11.5LV-USG1. (C/US)