



Certificate of Compliance

Certificate: 80062600

Master Contract: 273488

Project: 80173205

Date Issued: 2023-09-15

Issued to: Ginlong Technologies Co., Ltd.
No.57, Jintong Road, Xiangshan
Ningbo, Zhejiang, 315712
CHINA

Attention: Ruyi Pan

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

Transformerless Utility Interactive PV Inverter, Models Solis-15K-LV-5G, Solis-20K-LV-5G, Solis-23K-LV-5G, Solis-40K-HV-5G, Solis-50K-HV-5G and S5-GC15K-LV, S5-GC20K-LV, S5-GC23K-LV, S5-GC40K-HV, S5-GC50K-HV, permanently connected.

Transformerless Grid Support Utility Interactive PV Inverter, Models S6-GC25K-US, S6-GC30K-US, S6-GC33K-US, S6-GC36K-US, S6-GC40K-US, S6-GC50K-US, S6-GC60K-US and S6-GC30K-LV-US, 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



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- *UL Std No. 1741 - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (Third Edition, Dated May 18, 2021)
- **UL 1699B - Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Revision Dated August 22, 2021)
- **UL1741 CRD - Non-Isolated EPS Interactive PV Inverters Rated Less Than 30Kva (Dated April 26, 2010)

For Transformerless Utility Interactive PV Inverter:

***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.

For Transformerless Grid Support Utility Interactive PV Inverter:

***Note:** Conformity to UL 1741(Third Edition, Dated September 28, 2021) and 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





Supplement to Certificate of Compliance

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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
80173205	2023-09-15	Updated report 80062600 to add model S6-GC30K-LV-US and evaluate the Grid support function to comply with UL 1741 Supplement SA8-SA18 with the SRDs of California Electric Rule 21 and UL 1741 Supplement SB according to IEEE 1547.1-2020 with SRDS IEEE 1547-2018 and IEEE 1547a-2020.
80155184	2023-09-13	Updated report 80062600 to evaluate the Grid support function to comply with HECO SRD V2.0 requirements for Transformerless Grid Support Utility Interactive PV Inverter, firmware number is A2.
80103314	2023-08-31	Updated report 80062600 to meet requirements of UL 1699B Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Revision Dated May 18, 2021) for all models.
80155183	2023-06-02	Updated report 80062600 to add Models S6-GC25K-US, S6-GC30K-US, S6-GC33K-US, S6-GC36K-US, S6-GC40K-US, S6-GC50K-US, S6-GC60K-US and evaluate the Grid support function to comply with UL 1741 Supplement SB according to IEEE 1547.1-2020 with SRDS IEEE 1547-2018 and IEEE 1547a-2020.
80062600	2022-03-26	Transformerless Utility Interactive PV Inverter, Models Solis-15K-LV-5G, Solis-20K-LV-5G, Solis-23K-LV-5G, Solis-40K-HV-5G, Solis-50K-HV-5G and S5-GC15K-LV, S5-GC20K-LV, S5-GC23K-LV, S5-GC40K-HV, S5-GC50K-HV. (C/US)