



# Certificate of Compliance

**Certificate:** 80021142

**Master Contract:** 273488

**Project:** 80063310

**Date Issued:** 2021-03-31

**Issued to:** Ginlong Technologies Co., Ltd.  
No.57, Jintong Road, Xiangshan  
Ningbo, Zhejiang, 130 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 5311 09 - POWER SUPPLIES - Distributed Generation Power Systems Equipment

CLASS 5311 89 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards

Bi-directional Transformerless Power Conversion Equipment, Solis RHI-1PHV series, Models RHI-1P5K-HVES-5G, RHI-1P6K-HVES-5G, RHI-1P7K-HVES-5G, RHI-1P7.6K-HVES-5G, RHI-1P8K-HVES-5G, RHI-1P9K-HVES-5G and RHI-1P10K-HVES-5G with PV input and Battery input, Grid Support Utility Interactive, or Stand-alone with Auto-Transformer Solis-ATR-6K. Wall mounted, permanently connected.

### Notes:

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

## APPLICABLE REQUIREMENTS

- CSA-C22.2 No.107.1-16 - Power Conversion Equipment
- \*UL Std No. 1741-Second Edition - Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (Second Edition, Revision Dated February 15, 2018)



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- UL 1699B - Photovoltaic (PV) DC Arc-Fault Circuit Protection (First Edition, Revision Dated August 22, 2018)
- UL1741 CRD - Grid Support Utility Interactive Interoperability Optional Functions: Prevent Enter Service and Limit Active Power (CA Rule 21, Phase 3, functions 2 and 3) (Dated October 22, 2019)

\* Note: Conformity to UL 1741(Second Edition, Revision February 15, 2018) includes compliance with applicable requirements of IEEE 1547-2003 (R2008), IEEE 1547a-2014, IEEE 1547.1-2005(R2011), IEEE 1547.1a-2015, California Electric Rule 21 and Supplement SA8~SA18.



## 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
80063310	2021-03-31	Update to report 80021142 to add an AC switch on the Inverter Enclosure used for PVRSS initiation and add a bypass switch on the external Split Phase Auto-transformer Enclosure used for load transfer.
80063309	2021-01-21	Update the report 80021142 to add alternate material of RSD Board for Solis RHI-1PHV series Inverters, Models RHI-1P5K-HVES-5G, RHI-1P6K-HVES-5G, RHI-1P7K-HVES-5G, RHI-1P7.6K-HVES-5G, RHI-1P8K-HVES-5G, RHI-1P9K-HVES-5G and RHI-1P10K-HVES-5G.
80046893	2020-08-20	Update to report 80021142 to includes requirements of UL1741CRD Grid Support Utility Interactive Interoperability Optional Functions: Prevent Enter Service and Limit Active Power (CA Rule 21, Phase 3, functions 2 and 3) (Dated October 22, 2019) for Solis RHI-1PHV series Inverters, Models RHI-1P5K-HVES-5G, RHI-1P6K-HVES-5G, RHI-1P7K-HVES-5G, RHI-1P7.6K-HVES-5G, RHI-1P8K-HVES-5G, RHI-1P9K-HVES-5G and RHI-1P10K-HVES-5G.
80043151	2020-05-18	Update to report 80021142 with below modifications: 1. Some parameters of system ratings updated. 2. Add an external Split Phase Auto-transformer, model Solis-ATR-6K. 3. RSD Board updated. 4. Add fuse for the protection of the battery port and alternate materials of IGBT and DC Disconnect Switch.
80021142	2019-11-14	Bi-directional Grid Support Transformerless Utility Interactive Power Conversion Equipment, Models RHI-1P5K-HVES-5G, RHI-1P6K-HVES-5G, RHI-1P7K-HVES-5G, RHI-1P7.6K-HVES-5G, RHI-1P8K-HVES-5G, RHI-1P9K-HVES-5G and RHI-1P10K-HVES-5G. (C/US)