



# Certificate of Compliance

**Certificate:** 80030073

**Master Contract:** 273488

**Project:** 80080252

**Date Issued:** 2021-04-30

**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

Photovoltaic rapid shutdown system, include: Attenuator and Inverter (Transmitter integrated in the Inverter).

Model	Attenuators	Inverter	System Ratings
Photovoltaic intelligent module level rapid shutdown system	Altenergy Power System Inc.: RSD-S-PLC-A RSD-S-PLC-B	Ginlong: 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; RHI-1P10K-HVES-5G;	500 Vdc maximum system voltage. Rapid shutdown time limit 30s with inverter.
		Solis-75K-5G-US; Solis-80K-5G-US; Solis-90K-5G-US; Solis-100K-5G-US.	1000 Vdc maximum system voltage. Rapid shutdown time limit 30s with inverter.



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Note:

1. 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.
2. Photovoltaic Rapid Shutdown Function has also been evaluated according to NEC-2017 Section 690.12 applicable requirement.
3. Attenuators Input: 8~80Vdc, 15Amax per module, 15A max input short circuit. Attenuators Output: 8~80Vdc, 15Amax, 800W max per module.
4. The Rapid shutdown function for the system is initiated by the disconnecting of AC emergency circuit breaker.

**APPLICABLE REQUIREMENTS**

UL Std. No. 1741-Second Edition - Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources (February 15, 2018)

CSA C22.2 No. 330-17 - Photovoltaic rapid shutdown systems



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80080252	2021-04-30	Update the report 80030073 to add Inverter models Solis-75K-5G-US, Solis-80K-5G-US, Solis-90K-5G-US and Solis-100K-5G-US. (C/US)
80030073	2020-03-31	PV Rapid Shutdown System function verification testing, model Photovoltaic intelligent module level rapid shutdown system. (C/US)