



Certificate of Compliance

Certificate: 80067145

Master Contract: 273488

Project: 80067145

Date Issued: 2020-12-28

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	Dongguan Zerun Electronics Technology Co., Ltd.: RSD-PFK, RSD-PAK.	Ginlong: Solis-1P1K-4G-US; Solis-1P1.5K-4G-US; Solis-1P2K-4G-US; Solis-1P2.5K-4G-US; Solis-1P3K-4G-US; Solis-1P3.6K-4G-US; Solis-1P4K-4G-US; Solis-1P4.6K-4G-US; Solis-1P5K-4G-US; Solis-1P6K2-4G-US.	600 Vdc maximum system voltage. Rapid shutdown time limit 30s with inverter.
		Ginlong: Solis-1P6K-4G-US; Solis-1P7K-4G-US; Solis-1P7.6K-4G-US; Solis-1P8K-4G-US; Solis-1P8.6K-4G-US; Solis-1P9K-4G-US; Solis-1P10K-4G-US.	600 Vdc maximum system voltage. Rapid shutdown time limit 30s with inverter.



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		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.
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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:
RSD-PFK: 12~75Vdc input, 1000Vdc system voltage, 15Adc max per module, 20Adc max input short circuit.
RSD-PAK:12~85Vdc input, 1000Vdc system voltage, 11Adc max per module, 16Adc max input short circuit.
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

Certificate: 80067145

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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
80067145	2020-12-28	PV Rapid Shutdown System function verification testing, model Photovoltaic intelligent module level rapid shutdown system. (C/US)