

26 February 2024

Ginlong Technologies Co., Ltd.  
No.57 Jintong Road, Binhai Industrial Park  
Xiangshan, 315712, Ningbo, Zhejiang  
CHINA

Attention: Jianyong Li, TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

## CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-240041-0.

Please check and ensure the details are correct in accordance with your application.

EESS Conformity Certification will upload the required certificate information to the National Database as detailed in the Australian / New Zealand Electrical Equipment Safety System (EESS), Equipment Safety Rules Appendix C.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

The assessment was reviewed with the standards and conditions required by Clean Energy Council at the time of issue with test reports referenced, <https://www.cleanenergycouncil.org.au/industry/products>

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Yours sincerely,



Lloyd Knipe

Managing Director

Conformity Certification Services Pty Ltd  
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit [www.eessconformity.com](http://www.eessconformity.com)



Certificate No.: EESS-240041-0

## CERTIFICATE OF SUITABILITY

**Certificate Holder:** Ginlong Technologies Co., Ltd.  
No.57 Jintong Road, Binhai Industrial Park  
Xiangshan, 315712, Ningbo, Zhejiang  
CHINA

**Regulatory Definition:** Non-Declared / In-Scope

**Product Type:** Grid-connected PV Inverter

**Risk Level:** 1

**Trade Name(s):** SOLIS

**Model No(s):** Solis-1P2.5K-4G, Solis-1P3K-4G, Solis-1P3.6K-4G, Solis-1P4K-4G, Solis-1P4.6K-4G, Solis-1P5K-4G, Solis-1P6K-4G, S5-GR1P2.5K, S5-GR1P3K, S5-GR1P3.6K, S5-GR1P4K, S5-GR1P4.6K, S5-GR1P5K, S5-GR1P6K, Solis-1P5K-4G-MX

**Ratings:** Input PV: 550-600Vdc Max, MPPT voltage range: 50-450Vdc / 90-520Vdc Max Input current: 2x11Adc / 2x14Adc OVCII.

Output: 230V 50Hz Rated output apparent power: 2.5-6kVA

Class I IP65 OVCIII Max Ambient:60°C (derating >45°C)

Refer to Certificate Addendum for specific rating details

**Standard(s):** IEC 62109-2:2011 (Reference TR CQCTT-WT-2023-A0159-0001a) with IEC 62109-1:2010 (Reference TR CQCTT-WT-2023-A0159-0001b) and AS/NZS 4777.2:2020 +A1 (Reference TR CQCTT-WT-2023-A0159-0001c)

**Condition(s):** To be installed by Licensed Electrician in accordance with the local Wiring Rules, CEC Guidelines, and the Manufacturer's Installation Manual. This Certification does not consider, other installation or the additional Clean Energy Council requirements for Grid Connect inverters or power conversion equipment (PCE)

**Required Marking:** The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1

**Date of Issue:** 26 February 2024

**Valid Until:** 25 February 2029

Conformity Certification Services Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate meets the requirements of the Queensland Government Recognised External Certification Scheme (RECS). Certification is based on type testing and within our terms and conditions.

For and on behalf of  
Conformity Certification Services Pty Ltd  
trading as EESS Conformity Certification



Certificate No.: EESS-240041-0

## CERTIFICATE ADDENDUM

Models	Solis-1P2.5K-4G	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G
PV input ratings:				
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 230Va.c.	1/N/PE 230Va.c.	1/N/PE 230Va.c.	1/N/PE 230Va.c.
Rated grid frequency:	50Hz	50Hz	50Hz	50Hz
Rated AC output active power:	2500W	3000W	3600W	4000W
Rated AC output apparent power:	2500VA	3000VA	3600VA	4000VA

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## CERTIFICATE ADDENDUM

Models	Solis-1P2.5K-4G	Solis-1P3K-4G	Solis-1P3.6K-4G	Solis-1P4K-4G
Rated continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.	21Aa.c.

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## CERTIFICATE ADDENDUM

Models	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P5K-4G-MX	Solis-1P6K-4G
PV input ratings:				
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.	2 x 11Ad.c.
Isc PV (absolute maximum):	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.	2 x 17.2Ad.c.
AC output ratings:				
Rated grid voltage:	1/N/PE 230Va.c.	1/N/PE 230Va.c.	1/N/PE 230Va.c.	1/N/PE 230Va.c.
Rated grid frequency:	50Hz	50Hz	50Hz	50Hz
Rated AC output active power:	4600W	5000W	4999W	6000W

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## CERTIFICATE ADDENDUM

Models	Solis-1P4.6K-4G	Solis-1P5K-4G	Solis-1P5K-4G-MX	Solis-1P6K-4G
Rated AC output apparent power:	4600VA	5000VA	4999VA	6000VA
Rated continuous output current:	23.8Aa.c	25Aa.c	21.7Aa.c.	27.3Aa.c.

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Models	S5-GR1P2.5K	S5-GR1P3K	S5-GR1P3.6K
PV input ratings:			
Max. input voltage:	550Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	50-450Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
AC output ratings:			
Rated grid voltage:	1/N/PE 230Va.c.	1/N/PE 230Va.c.	1/N/PE 230Va.c.
Rated grid frequency:	50Hz	50Hz	50Hz
Rated output power:	2500W	3000W	3600W

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Certificate No.: EESS-240041-0

## CERTIFICATE ADDENDUM

Models	S5-GR1P2.5K	S5-GR1P3K	S5-GR1P3.6K
Rated AC output apparent power:	2500VA	3000VA	3600VA
Rated continuous output current:	13.3Aa.c.	15.7Aa.c.	16Aa.c.

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## CERTIFICATE ADDENDUM

Models	S5-GR1P4K	S5-GR1P4.6K	S5-GR1P5K	S5-GR1P6K
Max. input voltage:	600Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range:	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current:	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.	2 x 14Ad.c.
Isc PV (absolute maximum):	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.	2 x 22Ad.c.
Rated grid voltage:	1/N/PE	1/N/PE	1/N/PE	1/N/PE
	230Va.c.	230Va.c.	230Va.c.	230Va.c.
Rated grid frequency:	50Hz	50Hz	50Hz	50Hz
Rated AC output active power:	4000W	4600W	5000W	6000W
Rated AC output apparent power:	4000VA	4600VA	5000VA	6000VA
Max. continuous output current:	21Aa.c.	23.8Aa.c.	25Aa.c.	27.3Aa.c.
General specifications:				
Adjustable cos( $\phi$ )	-0.8...1...+0.8			
Protection class	I			

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## CERTIFICATE ADDENDUM

Models	S5-GR1P4K	S5-GR1P4.6K	S5-GR1P5K	S5-GR1P6K
Degree of protection	IP65			
Overvoltage category	II(PV), III(MAINS)			
Ambient temperature	-25°C ... +60°C			
Inverter topology	Non-isolated			
Firmware version:	A2			
Hardware version:	MZ2070			

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