

24 November 2023
Ginlong Technologies Co., Ltd.
No.57 Jintong Road, Binhai Industrial Park
Xiangshan, Ningbo, Zhejiang 315712
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-230984-0.

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



Certificate No.: EESS-230984-0

CERTIFICATE OF SUITABILITY

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

Regulatory Definition: Non-declared/ In-Scope

Product Type: Hybrid Inverter

Risk Level: 1

Trade Name(s): Solis

Model No(s): RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G,
RHI-6K-48ES-5G, S5-EH1P3K-L, S5-EH1P3.6K-L, S5-EH1P4.6K-L, S5-EH1P5K-L,
S5-EH1P6K-L

Ratings: Refer to Certificate Addendum for specific ratings

Standard(s): IEC 62109-2:2011 (Reference Test Report CQCTT-WT-2023-A0135-0001b:) with
IEC 62109-1:2010 (Reference Test Report CQCTT-WT-2023-A0135-0001a) and
AS/NZS 4777.2:2020 +A1 (Reference Test Report: CQCTT-WT-2023-A0135-0001c)

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: 24 November 2023

Valid Until: 23 November 2028

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



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CERTIFICATE ADDENDUM

Ratings:

PV Input: 90-520Vdc 600Vdc Max, 11x2/15Ax2, OVCI

Battery Input (Li-ion/ Lead-acid): 42-58Vdc, 62.5-100A dc max charge/ discharge current.

AC Input/ Output: 230V 50Hz Class I IP65 OVC III PF 0.8 lead to lag

Rated Apparent Output Power: 3000VA- 6000VA.

Ambient max 60°C PD3/2 (External/ Internal)

Software Version: A2

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Model	RHI-3K-48ES-5G/ S5-EH1P3K-L	RHI-3.6K-48ES-5G/ S5-EH1P3.6K-L	RHI-4.6K-48ES-5G/ S5-EH1P4.6K-L	RHI-5K-48ES-5G/ S5-EH1P5K-L	RHI-6K-48ES-5G/ S5-EH1P6K-L
Parameter					
1)PV input parameters:					
Max. input voltage	600Vd.c.				
MPPT voltage range	90 - 520Vd.c.				
Max. input current	11A /11A (RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G) 15A /15A (S5-EH1P3K-L, S5-EH1P3.6K-L, S5-EH1P4.6K-L, S5-EH1P5K-L, S5-EH1P6K-L)				
Max. short-circuit input current	17,2A / 17,2A (RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G) 22,5A / 22,5A (S5-EH1P3K-L, S5-EH1P3.6K-L, S5-EH1P4.6K-L, S5-EH1P5K-L, S5-EH1P6K-L)				
MPPT number/Max. input strings number	2/2				
2)Battery input parameters:					
Battery type	Li-ion / Lead-acid				
Battery voltage range	42 - 58Vd.c.				
Max. charge current:	62,5Ad.c.	62,5Ad.c.	100Ad.c.	100Ad.c.	100Ad.c.
Max. discharge current:	62,5Ad.c.	62,5Ad.c.	100Ad.c.	100Ad.c.	100Ad.c.
AC Parameters:					
3)AC-Output (Back-up) parameters:					
Rated Output Voltage:	230Va.c.	230Va.c.	230Va.c.	230Va.c.	230Va.c.
Rated Output Frequency:	50Hz	50Hz	50Hz	50Hz	50Hz
Rated Output Current:	13A/13.5A	13A/13.5A	22A/22A	22A/22A	22A/22A

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Parameter					
Rated apparent output power	3000VA/300 OVA	3000VA/300 OVA	5000VA/500 OVA	5000VA/500 OVA	5000VA/500 OVA
4)AC-Output (Grid Side) Parameters:					
Rated Output Voltage:	230Va.c.	230Va.c.	230Va.c.	230Va.c.	230Va.c.
Rated Output Frequency:	50Hz	50Hz	50Hz	50Hz	50Hz
Rated Output Current:	15.7A/15A	17.3A/18.5A	23A/21A	23.9A/25A	26.1A/30A
Rated output power	3000W/300 OW	3600W/360 OW	4600W/460 OW	5000W/500 OW	6000W/600 OW
Rated apparent output power	3000VA/300 OVA	3600VA/360 OVA	4600VA/460 OVA	5000VA/500 OVA	6000VA/600 OVA
5)AC Input Parameters:					
Rated Output Voltage:	230Va.c.	230Va.c.	230Va.c.	230Va.c.	230Va.c.
Rated Output Frequency:	50Hz	50Hz	50Hz	50Hz	50Hz
Rated Output Current:	26.1A/20.5A	26.1A/25A	26.1A/31.5A	26.1A/34.5A	26.1A/34.5A
6)General Parameters:					
Operating Temperature Range:	-25 °C...+60 °C				
Protective Class:	I				
Ingress Protection:	IP65				
Overvoltage Category:	II(PV), III(MAINS)				
Inverter Topology:	Non-isolated				

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