

31 January 2024
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-240066-0.

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](#).

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.

Should you have any further queries, please contact us.

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-240066-0

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): S6-EH1P3K-L-PLUS-AU, S6-EH1P3.6K-L-PLUS-AU, S6-EH1P5K-L-PLUS-AU, S6-EH1P6K-L-PLUS-AU, S6-EH1P8K-L-PLUS-AU

Ratings: Input PV: 500Vdc Max, MPPT voltage range: 90-435Vdc Max Input current: 2x16A /2x32A OVCII.

Battery Input: 40-60Vdc, Max charge/ discharge current 70/80/112/135/190A

AC Input: 230V 50Hz 20/24/31/39/50A

AC Output: 230V 50Hz 13.1/15.7/21.8/26.1/34.8A Rated output apparent power: 3000-8000VA

Class I IP66 OVCIII Max Ambient:60°C

Hardware/ Firmware version: ESMLA2750/ A2.

Refer to Certificate Addendum for specific ratings

Standard(s): IEC 62109-2:2011– (reference Test Report 50406230013199-00 part 2 of 3)
IEC 62109-1:2010 – (reference Test Report 50406230013199-00 part 1 of 3)
AS/NZS 4777.2:2020 + A1– (reference Test Report 50406230013199-00 part 3 of 3)

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

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



Certificate No.: EESS-240066-0

CERTIFICATE OF SUITABILITY

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: 31 January 2024

Valid Until: 30 January 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.

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Certificate No.: EESS-240066-0

CERTIFICATE ADDENDUM

Model	S6-EH1P3K-L-PLUS-AU	S6-EH1P3.6K-L-PLUS-AU	S6-EH1P5K-L-PLUS-AU	S6-EH1P6K-L-PLUS-AU	S6-EH1P8K-L-PLUS-AU
Parameter					
PV input					
Max. input voltage	500Vd.c.				
MPPT voltage range	90...435Vd.c.				
Max. input current	2x16Ad.c.	2x16Ad.c.	2x16Ad.c.	2x16Ad.c.	2x32Ad.c.
Isc PV (absolute maximum)	2x20Ad.c.	2x20Ad.c.	2x20Ad.c.	2x20Ad.c.	2x40Ad.c.
MPPT number/max input strings number	2/2	2/2	2/2	2/2	2/4
Battery input					
Battery type	Li-ion / Lead-acid				
Battery voltage range	40...60Vd.c.				
Max. charge current	70Ad.c.	80Ad.c.	112Ad.c.	135Ad.c.	190Ad.c.
Max. discharge current	70Ad.c.	80Ad.c.	112Ad.c.	135Ad.c.	190Ad.c.

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AC output (Back-up)					
Max./rated output power	3000W	3600W	5000W	6000W	8000W
Nominal output voltage	230Va.c.				
Nominal frequency	50 Hz				
Max./rated output current	13.1Aa.c.	15.7Aa.c.	21.8Aa.c.	26.1Aa.c.	34.8Aa.c.
AC output (Grid side)					
Max./rated apparent output power	3000VA	3600VA	5000VA	6000VA	8000VA
Nominal output voltage	230Va.c.				
Nominal frequency	50 Hz				
Max./rated output current	13.1Aa.c.	15.7Aa.c.	21.8Aa.c.	26.1Aa.c.	34.8Aa.c.
AC input (For grid port and Gen port)					
Nominal voltage	230Va.c.				
Max./rated continuous current	20Aa.c.	24Aa.c.	31Aa.c.	39Aa.c.	50Aa.c.
Nominal frequency	50 Hz				

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General	
Power factor range	-0.8...1...+0.8
Protective class	I
Ingress protection	IP 66
Operating temperature Range	-40 °C...+60 °C
Overtoltage category	II(PV), III(MAINS)
Inverter topology	non-isolated
Max. operation altitude	3000m

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