

Attestation of Conformity

No. E8AUK 086470 0126 Rev. 00

Holder of Certificate: **Ginlong Technologies Co., Ltd.**

No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Name of Object: **Converter
(Hybrid inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Electromagnetic Compatibility Regulations 2016 relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential requirements of the regulation and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 64772228001901UK

Date, 2022-11-15



(Tony Liu)

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After preparation of the necessary UK regulation technical documentation as well as the UK declaration of conformity the required UKCA marking can be affixed on the product. Other applicable UK regulations have to be observed.

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Model(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

Trade name: solis



**Description of
Object:**

Model name:
RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G
PV input parameters:
Max. Input Voltage: 600 Vd.c.
See page 3-6 for details

**Tested
according to:**

EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019
EN 55011:2016/A11:2020
EN 55011:2016/A2:2021

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Model name	RHI-3K-48ES-5G	RHI-3.6K-48ES-5G	RHI-4.6K-48ES-5G
PV input parameters:			
Max. Input Voltage:	600 Vd.c.		
MPP Voltage Range:	90-520 Vd.c.		
Max. Input Current:	2×11 Ad.c.		
Isc PV:	2×17,2 Ad.c.		
Battery parameters:			
Battery Type:	Li-ion / Lead-acid		
Battery Voltage Range:	42-58 Vd.c.		
Max. Charge Current:	62,5 Ad.c.	62,5 Ad.c.	100 Ad.c.
Max. Discharge Current:	62,5 Ad.c.	62,5 Ad.c.	100 Ad.c.
AC-Output (Back-up) parameters:			
Rated Output Voltage:	220/230 Va.c.		
Rated Output Frequency:	50/60 Hz		
Rated Output Current:	13.6/13 Aa.c.	13.6/13 Aa.c.	22.7/22 Aa.c.
Rated Output Power:	3000 W	3000 W	5000W
AC-Output (Grid Side) parameters:			
Rated Output Voltage:	220/230 Va.c.		
Rated Output Frequency:	50/60 Hz		
Rated Output Power:	3000 W	3600 W	4600 W
Max. Apparent Output Power:	3300 VA	4000 VA	4600 VA
Max. Output Current:	15,7 Aa.c.	17,3 Aa.c.	23 Aa.c.
Power Factor(adj.):	-0,8...1...+0,8		
AC input parameters:			
Rated Voltage:	220/230 Va.c.		
Current (Maximum Continuous):	26,1 Aa.c.		
Rated Frequency:	50/60 Hz		
Others:			
Operating Temperature Range:	-25 °C...+60 °C		
Protective Class:	I		
Ingress Protection:	IP65		
Overvoltage Category:	II(PV), III(MAINS)		
Inverter Topology:	Non-isolated(isolated for battery input)		

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Model name	RHI-5K-48ES-5G	RHI-6K-48ES-5G
PV input parameters:		
Max. Input Voltage:	600 Vd.c.	
MPP Voltage Range:	90-520 Vd.c.	
Max. Input Current:	2×11 Ad.c.	
Isc PV:	2×17,2 Ad.c.	
Battery parameters:		
Battery Type:	Li-ion / Lead-acid	
Battery Voltage Range:	42-58 Vd.c.	
Max. Charge Current:	100 Ad.c.	
Max. Discharge Current:	100 Ad.c.	
AC-Output (Back-up) parameters:		
Rated Output Voltage:	220/230 Va.c.	
Rated Output Frequency:	50/60 Hz	
Rated Output Current:	22,7/22 Aa.c.	
Rated Output Power:	5000 W	
AC-Output (Grid Side) parameters:		
Rated Output Voltage:	220/230 Va.c.	
Rated Output Frequency:	50/60 Hz	
Rated Output Power:	5000 W	6000 W
Max. Apparent Output Power:	5500 VA	6600 VA
Max. Output Current:	23,9 Aa.c.	30 Aa.c.
Power Factor(adj.):	-0,8...1...+0,8	
AC input parameters:		
Rated Voltage:	220/230 Va.c.	
Current (Maximum Continuous):	26,1 Aa.c.	
Rated Frequency:	50/60 Hz	
Others:		
Operating Temperature Range:	-25 °C...+60 °C	
Protective Class:	I	
Ingress Protection:	IP65	
Overvoltage Category:	II(PV), III(MAINS)	
Inverter Topology:	Non-isolated(isolated for battery input)	

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No. E8AUK 086470 0126 Rev. 00

Model name	S5-EH1P3K-L	S5-EH1P3.6K-L	S5-EH1P4.6K-L
PV input parameters:			
Max. Input Voltage:	600 Vd.c.		
MPP Voltage Range:	90-520 Vd.c.		
Max. Input Current:	2×15 Ad.c.		
Isc PV:	2×22,5 Ad.c.		
Battery parameters:			
Battery Type:	Li-ion / Lead-acid		
Battery Voltage Range:	42-58 Vd.c.	42-58 Vd.c.	42-58 Vd.c.
Max. Charge Current:	62,5 Ad.c.	62,5 Ad.c.	100 Ad.c.
Max. Discharge Current:	62,5 Ad.c.	62,5 Ad.c.	100 Ad.c.
AC-Output (Back-up) parameters:			
Rated Output Voltage:	220/230 Va.c.		
Rated Output Frequency:	50/60 Hz		
Rated Output Current:	14/13,5 Aa.c.	14/13,5 Aa.c.	23/22 Aa.c.
Rated Output Power:	3000 W	3000 W	5000 W
AC-Output (Grid Side) parameters:			
Rated Output Voltage:	220/230 Va.c.		
Rated Output Frequency:	50/60 Hz		
Rated Output Power:	3000 W	3600 W	4600 W
Max. Apparent Output Power:	3300 VA	4000 VA	4600 VA
Max. Output Current:	15 Aa.c.	18,5 Aa.c.	21 Aa.c.
Power Factor(adj.):	-0,8...1...+0,8		
AC input parameters:			
Rated Voltage:	220/230 Va.c.		
Current (Maximum Continuous):	20,5 Aa.c.	25 Aa.c.	31,5 Aa.c.
Rated Frequency:	50/60 Hz		
Others:			
Operating Temperature Range:	-25 °C...+60 °C		
Protective Class:	I		
Ingress Protection:	IP65		
Overvoltage Category:	II(PV), III(MAINS)		
Inverter Topology:	Non-isolated(isolated for battery input)		

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No. E8AUK 086470 0126 Rev. 00

Model name	S5-EH1P5K-L	S5-EH1P6K-L
PV input parameters:		
Max. Input Voltage:	600 Vd.c.	
MPP Voltage Range:	90-520 Vd.c.	
Max. Input Current:	2×15 Ad.c.	
Isc PV:	2×22,5 Ad.c.	
Battery parameters:		
Battery Type:	Li-ion / Lead-acid	
Battery Voltage Range:	42-58 Vd.c.	
Max. Charge Current:	100 Ad.c.	
Max. Discharge Current:	100 Ad.c.	
AC-Output (Back-up) parameters:		
Rated Output Voltage:	220/230 Va.c.	
Rated Output Frequency:	50/60 Hz	
Rated Output Current:	23/22 Aa.c.	
Rated Output Power:	5000 W	
AC-Output (Grid Side) parameters:		
Rated Output Voltage:	220/230 Va.c.	
Rated Output Frequency:	50/60 Hz	
Rated Output Power:	5000 W	6000 W
Max. Apparent Output Power:	5500 VA	6600 VA
Max. Output Current:	25 Aa.c.	30 Aa.c.
Power Factor(adj.):	-0,8...1...+0,8	
AC input parameters:		
Rated Voltage:	220/230 Va.c.	
Current (Maximum Continuous):	34,5 Aa.c.	
Rated Frequency:	50/60 Hz	
Others:		
Operating Temperature Range:	-25 °C...+60 °C	
Protective Class:	I	
Ingress Protection:	IP65	
Overvoltage Category:	II(PV), III(MAINS)	
Inverter Topology:	Non-isolated(isolated for battery input)	