



Product Service

# Attestation of Conformity

No. E8A 086470 0097 Rev. 01

**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 Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential requirements of the directive 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772228001902

**Date,** 2022-10-25

( Tony Liu )

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**Model(s):** RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS,  
 RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS,  
 RHI-4K-48ES-5G-NS, RHI-4.6K-48ES, RHI-4.6K-48ES-5G,  
 RHI-4.6K-48ES-5G-NS, RHI-5K-48ES, RHI-5K-48ES-5G,  
 RHI-5K-48ES-5G-NS, RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS,  
 S5-EH1P3K-L, S5-EH1P3.6K-L, S5-EH1P4.6K-L, S5-EH1P5K-L,  
 S5-EH1P6K-L, S5-EH1P3K-L-NS, S5-EH1P3.6K-L-NS,  
 S5-EH1P4K-L-NS, S5-EH1P4.6K-L-NS, S5-EH1P5K-L-NS,  
 S5-EH1P6K-L-NS, S5-EH1P3K-L-BE, S5-EH1P3.6K-L-BE,  
 S5-EH1P4.6K-L-BE, S5-EH1P5K-L-BE.

**Trade name:** **solis**



**Description of Object:**

Model name:  
 RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES  
 PV input parameters:  
 Max. Input Voltage: 600 Vd.c.  
 See page 3-7 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	RHI-3.6K-48ES	RHI-4.6K-48ES	RHI-5K-48ES
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			
Battery Voltage Range:	42-58 Vd.c.			
Max. Charge Current:	62,5 Ad.c.			
Max. Discharge Current:	62,5 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.			
Rated Output Power:	3000 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	5000 W
Max. Apparent Output Power:	3300 VA	4000 VA	4600 VA	5500 VA
Max. Output Current:	15,7 Aa.c.	17,3 Aa.c.	23 Aa.c.	23,9 Aa.c.
Power Factor(adj.):	-0,8...1...+0,8			
AC input parameters:				
Rated Voltage:	220/230 Va.c.			
Current (Maximum Continuous):	23,9 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. E8A 086470 0097 Rev. 01

Model name	RHI-3K-48ES-5G, RHI-3K-48ES-5G-NS	RHI-3.6K-48ES-5G, RHI-3.6K-48ES-5G-NS	RHI-4K-48ES-5G-NS
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.		
Max. Discharge Current:	62,5 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.		
Rated Output Power:	3000 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	3600 W
Max. Apparent Output Power:	3300 VA	4000 VA	4000 VA
Max. Output Current:	15,7 Aa.c.	17,3 Aa.c.	17,3 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. E8A 086470 0097 Rev. 01

Model name	RHI-4.6K-48ES-5G, RHI-4.6K-48ES-5G-NS	RHI-5K-48ES-5G, RHI-5K-48ES-5G-NS	RHI-6K-48ES-5G, RHI-6K-48ES-5G-NS
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:	4600 W	5000 W	6000 W
Max. Apparent Output Power:	4600 VA	5500 VA	6600 VA
Max. Output Current:	23 Aa.c.	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. E8A 086470 0097 Rev. 01

Model name	S5-EH1P3K-L, S5-EH1P3K-L-BE, S5-EH1P3K-L-NS	S5-EH1P3.6K-L, S5-EH1P3.6K-L-BE, S5-EH1P3.6K-L-NS, S5-EH1P4K-L-NS	S5-EH1P4.6K-L, S5-EH1P4.6K-L-BE, S5-EH1P4.6K-L-NS
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 / 20 Aa.c.	25 / 23,5 Aa.c.	31,5 / 30 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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# Attestation of Conformity

No. E8A 086470 0097 Rev. 01

Model name	S5-EH1P5K-L, S5-EH1P5K-L-NS	S5-EH1P5K-L-BE	S5-EH1P6K-L, S5-EH1P6K-L-NS
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	5000 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/ 33 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)		