



Product Service

Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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

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

Product: **Converter**
Hybrid Inverter

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection 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

Test report no.: 704091623701-05

Date, 2022-10-21

(Zhengdong Ma)

Page 1 of 7

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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.

Parameters:

Please see pages 3 to 7.

**Tested
according to:**

EN 62109-1:2010
EN 62109-2:2011

Page 2 of 7

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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.

Model name	RHI-3K-48ES	RHI-3.6K-48ES	RHI-4.6K-48ES	RHI-5K-48ES
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)			



Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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		

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
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)		

Page 4 of 7

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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		

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
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)		



Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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		

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
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)		

Page 6 of 7

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Attestation of Conformity

No. N8A 086470 0033 Rev. 05

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		

Model name	S5-EH1P5K-L, S5-EH1P5K-L-NS	S5-EH1P5K-L-BE	S5-EH1P6K-L, S5-EH1P6K-L-NS
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)		

Page 7 of 7

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.