

Compliance Document

No. D 086470 0065 Rev. 00

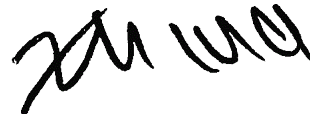
Holder of Certificate: **Ginlong Technologies Co., Ltd.**
No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 704091907632-00

Date, 2020-09-01



(Zhengdong Ma)

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Model(s):

RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES,
RHI-5K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G,
RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G.

Parameters:

Model name	RHI-3K-48ES	RHI-3.6K-48ES	RHI-4.6K-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 Input 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:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Current:	13 Aa.c.		
Rated Output Power:	3000 W		
AC-Output (Grid Side) Parameters:			
Rated Output Voltage:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Power:	3000 W	3600 W	4600 W
Max. Apparent Output Power:	3300VA	4000VA	4600VA
Max. Output Current:	15,7 Aa.c.	17,3 Aa.c.	23 Aa.c.
Power Factor(adj.):	0,8(lagging)...0,8(leading)		
AC Input Parameters:			
Rated Voltage:	230 Va.c.		
Current (Maximum Continuous):	23,9 Aa.c.		
Rated Frequency:	50 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		

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Model name	RHI-5K-48ES	RHI-3K-48ES-5G	RHI-3.6K-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 Input Parameters:			
Battery Type:	Li-Ion	Li-ion / Lead-acid	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:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Current:	13 Aa.c.		
Rated Output Power:	3000 W		
AC-Output (Grid Side) Parameters:			
Rated Output Voltage:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Power:	5000 W	3000 W	3600 W
Max. Apparent Output Power:	5500VA	3300VA	4000VA
Max. Output Current:	23,9 Aa.c.	15,7 Aa.c.	17,3 Aa.c.
Power Factor(adj.):	0,8(lagging)...0,8(leading)		
AC Input Parameters:			
Rated Voltage:	230 Va.c.		
Current (Maximum Continuous):	23,9 Aa.c.	26,1 Aa.c.	26,1 Aa.c.
Rated Frequency:	50 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		

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Model name	RHI-4.6K-48ES-5G	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 Input 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:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Current:	22 Aa.c.		
Rated Output Power:	5000 W		
AC-Output (Grid Side) Parameters:			
Rated Output Voltage:	230 Va.c.		
Rated Output Frequency:	50 Hz		
Rated Output Power:	4600 W	5000 W	6000 W
Max. Apparent Output Power:	4600VA	5500VA	6000 VA
Max. Output Current:	23 Aa.c.	23,9 Aa.c.	26,1 Aa.c.
Power Factor(adj.):	0,8(lagging)...0,8(leading)		
AC Input Parameters:			
Rated Voltage:	230 Va.c.		
Current (Maximum Continuous):	26,1 Aa.c.		
Rated Frequency:	50 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		

**Tested
according to:**

EN 50549-1:2019/AC:2019