

# Compliance Document

No. D 086470 0112 Rev. 00

**Holder of Certificate:** **Ginlong Technologies Co., Ltd.**  
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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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772228006401

**Date,** 2022-05-31



( Tony Liu )

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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



## Parameters:

Model:	RHI-3K-48ES-5G	RHI-3.6K-48ES-5G	RHI-4.6K-48ES-5G
PV input parameters:			
Max. input voltage	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current	2×11Ad.c.	2×11Ad.c.	2×11Ad.c.
Isc PV	2×17.2Ad.c.	2×17.2Ad.c.	2×17.2Ad.c.
Battery parameters:			
Battery Trye	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery Voltage Range	42-58Vd.c.	42-58Vd.c.	42-58Vd.c.
Max. Charge Current	62.5Ad.c.	62.5Ad.c.	100Ad.c.
Max. Discharge Current	62.5Ad.c.	62.5Ad.c.	100Ad.c.
AC-Output (Back-up) parameters:			
Rated Output Voltage	220/230Va.c.	220/230Va.c.	220/230Va.c.
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Output Current	13.6/13Aa.c.	13.6/13Aa.c.	22.7/22Aa.c.
Rated Output Power	3000W	3000W	5000W
AC-Output (Grid Side) parameters			
Rated Output Voltage	220/230Va.c.	220/230Va.c.	220/230Va.c.
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Output Power	3000W	3600W	4600W
Max. Apparent Output Power	3300VA	4000VA	4600VA
Max. Output Current	15.7Aa.c.	17.7Aa.c.	23Aa.c.
Power Factor(adj)	-0.8...1...+0.8		
AC input parameters			
Rated Voltage	220/230Va.c.		
Current (Maximum Continuous)	26.1Aa.c.		
Rated Frequency	50/60Hz		
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:	RHI-5K-48ES-5G	RHI-6K-48ES-5G	S5-EH1P3K-L
PV input parameters:			
Max. input voltage	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current	2×11Ad.c.	2×11Ad.c.	2×15d.c.
Isc PV	2×17.2Ad.c.	2×17.2Ad.c.	2×22.5Ad.c.
Battery parameters:			
Battery Trye	Li-ion / Lead-acid		
Battery Voltage Range	42-58Vd.c.		
Max. Charge Current	100Ad.c.	100Ad.c.	62.5Ad.c.
Max. Discharge Current	100Ad.c.	100Ad.c.	62.5Ad.c.
AC-Output (Back-up) parameters:			
Rated Output Voltage	220/230Va.c.	220/230Va.c.	220/230Va.c.
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Output Current	22.7/22Aa.c.	22.7/22Aa.c.	14/13.5Aa.c.
Rated Output Power	5000W	5000W	3000W
AC-Output (Grid Side) parameters			
Rated Output Voltage	220/230Va.c.	220/230Va.c.	220/230Va.c.
Rated Output Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Output Power	5000W	6000W	3000W
Max. Apparent Output Power	5500VA	6600VA	3300VA
Max. Output Current	23.9Aa.c.	30Aa.c.	15Aa.c.
Power Factor(adj)	-0.8...1...+0.8		
AC input parameters			
Rated Voltage	220/230Va.c.		
Current (Maximum Continuous)	26.1Aa.c.	26.1Aa.c.	20.5Aa.c.
Rated Frequency	50/60Hz		
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:	S5-EH1P3.6K-L	S5-EH1P4.6K-L	S5-EH1P5K-L	S5-EH1P6K-L
PV input parameters:				
Max. input voltage	600Vd.c.	600Vd.c.	600Vd.c.	600Vd.c.
MPP voltage range	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.	90-520Vd.c.
Max. input current	2×15d.c.	2×15d.c.	2×15d.c.	2×15d.c.
Isc PV	2×22.5Ad.c.	2×22.5Ad.c.	2×22.5Ad.c.	2×22.5Ad.c.
Battery parameters:				
Battery Type	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery Voltage Range	42-58Vd.c.	42-58Vd.c.	42-58Vd.c.	42-58Vd.c.
Max. Charge Current	62.5Ad.c.	62.5Ad.c.	100Ad.c.	100Ad.c.
Max. Discharge Current	62.5Ad.c.	62.5Ad.c.	100Ad.c.	100Ad.c.
AC-Output(Back-up) parameters:				
Rated Output Voltage	220/230Va.c.			
Rated Output Frequency	50/60Hz			
Rated Output Current	14/13.5Aa.c.	23/22Aa.c.	23/22Aa.c.	23/22Aa.c.
Rated Output Power	3000W	5000W	5000W	5000W
AC-Output (Grid Side) parameters				
Rated Output Voltage	220/230Va.c.			
Rated Output Frequency	50/60Hz			
Rated Output Power	3600W	4600W	5000W	6000W
Max. Apparent Output Power	4000VA	4600VA	5500VA	6600VA
Max. Output Current	18.5Aa.c.	21Aa.c.	25Aa.c.	30Aa.c.
Power Factor(adj)	-0.8...1...+0.8			
AC input parameters				
Rated Voltage	220/230Va.c.			
Current (Maximum Continuous)	25Aa.c.	31.5Aa.c.	34.5Aa.c.	34.5Aa.c.
Rated Frequency	50/60Hz			
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)			

**Tested  
according to:**

EN IEC 61000-3-11:2019  
EN 61000-3-12:2011