

Compliance Document

No. D 086470 0073 Rev. 01

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

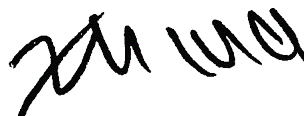
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PEOPLE'S REPUBLIC OF CHINA

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.: 704092008127-01

Date, 2021-06-23



(Zhengdong Ma)

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Model(s): RHI-3K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES, RHI-3.6K-48ES-5G, RHI-4.6K-48ES, RHI-4.6K-48ES-5G, RHI-5K-48ES, 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.

Parameters:

Model name	RHI-3K-48ES	RHI-3.6K-48ES	RHI-4.6K-48ES
a) PV input parameters:			
Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPP Voltage Range:	90-520 Vd.c.	90-520 Vd.c.	90-520 Vd.c.
Max. Input Current:	2×11 Ad.c.	2×11 Ad.c.	2×11 Ad.c.
Isc PV:	2×17,2 Ad.c.	2×17,2 Ad.c.	2×17,2 Ad.c.
b) Battery parameters:			
Battery Type:	Li-Ion	Li-Ion	Li-Ion
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.	62,5 Ad.c.
Max. Discharge Current:	62,5 Ad.c.	62,5 Ad.c.	62,5 Ad.c.
c) AC-Output (Back-up) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	50 Hz
Rated Output Current:	13 Aa.c.	13 Aa.c.	13 Aa.c.
Rated Output Power:	3000 W	3000 W	3000 W

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Model name	RHI-3K-48ES	RHI-3.6K-48ES	RHI-4.6K-48ES
d) AC-Output (Grid Side) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	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)	0,8(lagging)...0,8(leading)	0,8(lagging)...0,8(leading)
e) AC input parameters:			
Rated Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Current (Maximum Continuous):	23,9 Aa.c.	23,9 Aa.c.	23,9 Aa.c.
Rated Frequency:	50 Hz	50 Hz	50 Hz
f) General:			
Operating Temperature Range:	-25 °C...+60 °C	-25 °C...+60 °C	-25 °C...+60 °C
Protective Class:	I	I	I
Ingress Protection:	IP65	IP65	IP65
Overvoltage Category:	II(PV), III(MAINS)	II(PV), III(MAINS)	II(PV), III(MAINS)
Inverter Topology:	Non-isolated	Non-isolated	Non-isolated

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Model name	RHI-5K-48ES	RHI-3K-48ES-5G	RHI-3.6K-48ES-5G
a) PV input parameters:			
Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPP Voltage Range:	90-520 Vd.c.	90-520 Vd.c.	90-520 Vd.c.
Max. Input Current:	2×11 Ad.c.	2×11 Ad.c.	2×11 Ad.c.
Isc PV:	2×17,2 Ad.c.	2×17,2 Ad.c.	2×17,2 Ad.c.
b) Battery parameters:			
Battery Type:	Li-Ion	Li-ion / Lead-acid	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.	62,5 Ad.c.
Max. Discharge Current:	62,5 Ad.c.	62,5 Ad.c.	62,5 Ad.c.
c) AC-Output (Back-up) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	50 Hz
Rated Output Current:	13 Aa.c.	13 Aa.c.	13 Aa.c.
Rated Output Power:	3000 W	3000 W	3000 W
d) AC-Output (Grid Side) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	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)	0,8(lagging)...0,8(leading)	0,8(lagging)...0,8(leading)
e) AC input parameters:			
Rated Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Current (Maximum Continuous):	23,9 Aa.c.	26,1 Aa.c.	26,1 Aa.c.
Rated Frequency:	50 Hz	50 Hz	50 Hz
f) General:			
Operating Temperature Range:	-25 °C...+60 °C	-25 °C...+60 °C	-25 °C...+60 °C
Protective Class:	I	I	I
Ingress Protection:	IP65	IP65	IP65
Overvoltage Category:	II(PV), III(MAINS)	II(PV), III(MAINS)	II(PV), III(MAINS)
Inverter Topology:	Non-isolated	Non-isolated	Non-isolated

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Model name	RHI-4.6K-48ES-5G	RHI-5K-48ES-5G	RHI-6K-48ES-5G
a) PV input parameters:			
Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPP Voltage Range:	90-520 Vd.c.	90-520 Vd.c.	90-520 Vd.c.
Max. Input Current:	2×11 Ad.c.	2×11 Ad.c.	2×11 Ad.c.
Isc PV:	2×17,2 Ad.c.	2×17,2 Ad.c.	2×17,2 Ad.c.
b) Battery parameters:			
Battery Type:	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery Voltage Range:	42-58 Vd.c.	42-58 Vd.c.	42-58 Vd.c.
Max. Charge Current:	100 Ad.c.	100 Ad.c.	100 Ad.c.
Max. Discharge Current:	100 Ad.c.	100 Ad.c.	100 Ad.c.
c) AC-Output (Back-up) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	50 Hz
Rated Output Current:	22 Aa.c.	22 Aa.c.	22 Aa.c.
Rated Output Power:	5000 W	5000 W	5000 W
d) AC-Output (Grid Side) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	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)	0,8(lagging)...0,8(leading)	0,8(lagging)...0,8(leading)
e) AC input parameters:			
Rated Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Current (Maximum Continuous):	26,1 Aa.c.	26,1 Aa.c.	26,1 Aa.c.
Rated Frequency:	50 Hz	50 Hz	50 Hz
f) General:			
Operating Temperature Range:	-25 °C...+60 °C	-25 °C...+60 °C	-25 °C...+60 °C
Protective Class:	I	I	I
Ingress Protection:	IP65	IP65	IP65
Overvoltage Category:	II(PV), III(MAINS)	II(PV), III(MAINS)	II(PV), III(MAINS)
Inverter Topology:	Non-isolated	Non-isolated	Non-isolated

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Model name	S5-EH1P3K-L	S5-EH1P3.6K-L	S5-EH1P4.6K-L
a) PV input parameters:			
Max. Input Voltage:	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPP Voltage Range:	90-520 Vd.c.	90-520 Vd.c.	90-520 Vd.c.
Max. Input Current:	2×15 Ad.c.	2×15 Ad.c.	2×15 Ad.c.
Isc PV:	2×22,5 Ad.c.	2×22,5 Ad.c.	2×22,5 Ad.c.
b) Battery parameters:			
Battery Type:	Li-ion / Lead-acid	Li-ion / Lead-acid	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.
c) AC-Output (Back-up) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	50 Hz
Rated Output Current:	13,5 Aa.c.	13,5 Aa.c.	22 Aa.c.
Rated Output Power:	3000 W	3000 W	5000 W
d) AC-Output (Grid Side) parameters:			
Rated Output Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz	50 Hz
Rated Output Power:	3000 W	3600 W	4600 W
Max. Apparent Output Power:	3300VA	4000VA	4600VA
Max. Output Current:	14,5 Aa.c.	17,5 Aa.c.	20 Aa.c.
Power Factor(adj.):	0,8(lagging)...0,8(leading)		
e) AC input parameters:			
Rated Voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Current (Maximum Continuous):	20,5 Aa.c.	25 Aa.c.	31,5 Aa.c.
Rated Frequency:	50 Hz	50 Hz	50 Hz
f) General:			
Operating Temperature Range:	-25 °C...+60 °C	-25 °C...+60 °C	-25 °C...+60 °C
Protective Class:	I	I	I
Ingress Protection:	IP65	IP65	IP65
Overvoltage Category:	II(PV), III(MAINS)	II(PV), III(MAINS)	II(PV), III(MAINS)
Inverter Topology:	Non-isolated	Non-isolated	Non-isolated

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Model name	S5-EH1P5K-L	S5-EH1P6K-L
a) PV input parameters:		
Max. Input Voltage:	600 Vd.c.	600 Vd.c.
MPP Voltage Range:	90-520 Vd.c.	90-520 Vd.c.
Max. Input Current:	2×15 Ad.c.	2×15 Ad.c.
Isc PV:	2×22,5 Ad.c.	2×22,5 Ad.c.
b) Battery parameters:		
Battery Type:	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery Voltage Range:	42-58 Vd.c.	42-58 Vd.c.
Max. Charge Current:	100 Ad.c.	100 Ad.c.
Max. Discharge Current:	100 Ad.c.	100 Ad.c.
c) AC-Output (Back-up) parameters:		
Rated Output Voltage:	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz
Rated Output Current:	22 Aa.c.	22 Aa.c.
Rated Output Power:	5000 W	5000 W
d) AC-Output (Grid Side) parameters:		
Rated Output Voltage:	230 Va.c.	230 Va.c.
Rated Output Frequency:	50 Hz	50 Hz
Rated Output Power:	5000 W	6000 W
Max. Apparent Output Power:	5500VA	6000 VA
Max. Output Current:	24 Aa.c.	29 Aa.c.
Power Factor(adj.):	0,8(lagging)...0,8(leading)	0,8(lagging)...0,8(leading)
e) AC input parameters:		
Rated Voltage:	230 Va.c.	230 Va.c.
Current (Maximum Continuous):	34,5 Aa.c.	34,5 Aa.c.
Rated Frequency:	50 Hz	50 Hz
f) General:		
Operating Temperature Range:	-25 °C...+60 °C	-25 °C...+60 °C
Protective Class:	I	I
Ingress Protection:	IP65	IP65
Overvoltage Category:	II(PV), III(MAINS)	II(PV), III(MAINS)
Inverter Topology:	Non-isolated	Non-isolated

**Tested
according to:**

IEC 61727:2004
IEC 62116:2014