



Compliance Document

No. D 086470 0073 Rev. 00

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

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Binhai Industrial Park, Xiangshan
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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.: 704092008127-00

Date, 2020-11-30

(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:

PV inputs:	
Max. input voltage	d.c. 600V
MPP voltage range	d.c. 90-520V
Max. input current	d.c. 2x11A
Isc PV (absolute maximum)	d.c. 2x17,2A
Battery	
Battery type	Li-ion
Battery voltage range	d.c. 42-58V
Max. charge/discharge current	d.c. 62,5A/62.5A (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G) 100A/100A (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
AC-output (grid side)	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3000W (RHI-3K-48ES, RHI-3K-48ES-5G), 3600W (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), 4600W (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), 5000W (RHI-5K-48ES, RHI-5K-48ES-5G), 6000W(RHI-6K-48ES-5G)
Max. apparent output power	3300VA (RHI-3K-48ES, RHI-3K-48ES-5G), 4000VA (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), 4600VA (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), 5500VA (RHI-5K-48ES, RHI-5K-48ES-5G), 6000VA (RHI-6K-48ES-5G)
Max. output current:	a.c. 15,7A (RHI-3K-48ES, RHI-3K-48ES-5G), a.c. 17,3A (RHI-3.6K-48ES, RHI-3.6K-48ES-5G), a.c. 23A (RHI-4.6K-48ES, RHI-4.6K-48ES-5G), a.c. 23,9A (RHI-5K-48ES, RHI-5K-48ES-5G), a.c. 26.1A (RHI-6K-48ES-5G)
Displacement factor:	-0,8...1...+0,8

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AC-output (back-up)	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Rated output power	3000W (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G); 5000W (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
Rated output current	a.c. 13A (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-3K-48ES-5G, RHI-3.6K-48ES-5G); a.c. 22A (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
AC-input	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Max input current	a.c. 23,9 (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES); a.c. 26,1A (RHI-3K-48ES-5G, RHI-3.6K-48ES-5G, RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C

Tested according to: IEC 61727:2004
IEC 62116:2014