

# Compliance Document

No. D 086470 0076 Rev. 00

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

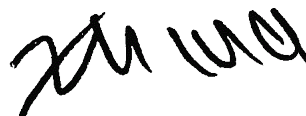
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PEOPLE'S REPUBLIC OF CHINA

**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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092008124-00

**Date,** 2020-12-22



( 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.

## Parameters:

Hybrid inverter parameters:	
Inverter model name	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
a) PV input:	
Rated voltage	330 V
MPPT voltage range	90 - 520 V
Max. input current	17.2 A/17.2 A
b) Battery input:	
Battery voltage range	d.c. 42-58V
Nominal battery voltage	d.c. 50V
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) d.c. 100A/100A (RHI-4.6K-48ES-5G, RHI-5K-48ES-5G, RHI-6K-48ES-5G)
c) 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. 23.0A (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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d) 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)
e) AC-input	
Rated voltage	a.c. 230V
Rated output frequency	50Hz
Current (Maximum continuous)	a.c. 23.9A (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)
f) Other parameters:	
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-25°C...+60°C

**Tested  
according to:**

NRS 097-2-1:2017 Edition 2.1