



Product Service

Compliance Document

No. D 086470 0057 Rev. 00

Holder of Certificate: Ningbo 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. See also notes overleaf.

Test report no.: 64887193069001

Date, 2020-04-09


(Zhengdong Ma)

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Model(s): RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-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-6K-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, 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, 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, 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-6K-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-6K-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 output current	a.c. 23.9 (RHI-3K-48ES, RHI-3.6K-48ES, RHI-4.6K-48ES, RHI-5K-48ES, RHI-6K-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

TYPE OF APPARATUS:

DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR STATIC CONVERSION	ROTATING GENERATOR DEVICE
X	X	X	

Manufacturer: Ningbo Ginlong Technologies Co., Ltd.

Apparatus type: Hybrid Inverter

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

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

Firmware version: DSP: V17; LCD: V28

Number of phase: 1

Nominal power: See above tables for each model

Battery model:

US2000, range: 1-8 pieces

US3000, range: 1-8 pieces

FC0500-40S/FL4874M, range: 1-7 pieces

Battery of US3000 and FC0500-40S/FL4874M have the same BMS control system.

Battery factory: Pylontech

Having assessed the test report: 64.887.19.30690.01 dated 07.04.2020

Tested

CEI 021:2019

according to:

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