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Product Service

Attestation of Conformity

No. N8A 086470 0033 Rev. 01

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 Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance.
It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.: 704091623701-01

Date, 2020-03-30 (Zhengdong Ma)

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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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)

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Displacement factor:	-0.8…1…+0.8
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

Tested according to:

EN 62109-1:2010
EN 62109-2:2011

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