



Product Service

# Attestation of Conformity

No. T8A 086470 0110 Rev. 00

**Holder of Certificate:** **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 in support of the Conformity Assessment Module A of Radio Equipment Directive 2014/53/EU. On the basis of the referenced test reports, the samples of the listed product were found to comply with the essential requirements of the above mentioned directive as implemented in the standards used valid at the time the tests were carried out. For the requirements of the Article(s) 3(2) and 3(3) only harmonized standards valid at the moment of issuing where used. The used standards cover the essential requirements of the Radio Equipment Directive as applicable to this product. The manufacturer must ensure compliance of the manufactured products with the technical documentation and other requirements of the Radio Equipment Directive that apply to them. National legal requirements have to be considered before bringing the product to the market. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64972228002301

**Date,** 2022-05-10

( Tony Liu )

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After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives the manufacturer may sign a Declaration of Conformity and apply the CE-marking.



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**Model(s):** S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX, S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX, S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX, S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX, S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX

## Parameters:

PV inputs:	
Max. input voltage	d.c. 600V
MPP voltage range	d.c. 90-520V
Max. input current	d.c. 2x15A
Isc PV (absolute maximum)	d.c. 2x22.5A
Battery	
Battery type	Li-ion
Battery voltage range	d.c. 42-58V
Max. charge/discharge current	d.c. 62.5A/62.5A (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX, S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), 100A/100A (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX, S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX, S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
AC-output (grid side)	
Rated output voltage	a.c. 230V
Rated output frequency	50/60 Hz
Rated output power	3000W (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), 3600W (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), 4600W (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX), 5000W (S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX), 6000W (S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
Max. apparent output power	3300VA (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), 4000VA (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), 4600VA (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX), 5500VA (S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX), 6000VA (S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
Max. output current:	a.c. 15.0A (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), a.c. 18.2A (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), a.c. 21A (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX), a.c. 25A (S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX), a.c. 27.3A (S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
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 (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), 3600W (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), 5000W (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX, S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX, S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX),
Rated output current	a.c. 13.1A (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), a.c. 15.7A (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX),

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	a.c. 21.7A (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX, S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX, S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
AC-input	
Rated output voltage	a.c. 230V
Rated output frequency	50Hz
Max output current	a.c. 22A (S5-EH1P3K-L-UN, S5-EH1P3K-L-UN-EX), a.c. 26A (S5-EH1P3.6K-L-UN, S5-EH1P3.6K-L-UN-EX), a.c. 34.5A (S5-EH1P4.6K-L-UN, S5-EH1P4.6K-L-UN-EX, S5-EH1P5K-L-UN, S5-EH1P5K-L-UN-EX, S5-EH1P6K-L-UN, S5-EH1P6K-L-UN-EX)
Protection class:	I
Degree of protection:	IP54
Overvoltage category:	II (PV), III (MAINS)
Ambient temperature:	-20°C...+60°C(INV), System based on battery spec.
Report No.:	64.972.22.80023.01 (EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019, EN 61000-3-12:2011, EN IEC 61000-3-11:2019, EN 55011:2016/A11:2020, EN 55011:2016/A2:2021, EN 301 489-1 V2.2.3:2019, EN 301 489-17 V3.2.4:2020) 64.972.22.80023.01-R1 (EN 300 328 V2.2.2:2019, EN 62479:2010, EN 50663:2017) 70.409.20.081.33-00 (EN62109-1:2010, EN 62109-2:2011)

**Tested according to:**

- EN IEC 61000-6-1:2019
- EN IEC 61000-6-2:2019
- EN IEC 61000-6-3:2021
- EN IEC 61000-6-4:2019
- EN 61000-3-12:2011
- EN IEC 61000-3-11:2019
- EN 55011:2016/A11:2020
- EN 55011:2016/A2:2021
- EN 301 489-1 V2.2.3:2019
- EN 301 489-17 V3.2.4:2020
- EN 300 328 V2.2.2:2019
- EN 62479:2010
- EN 50663:2017
- EN 62109-1:2010
- EN 62109-2:2011