

Attestation of Conformity

No. N8AUK 086470 0101 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 according to the Electrical Equipment (Safety) Regulations 2016 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 regulations 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. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092103639-00

Date, 2022-04-11



(Zhengdong Ma)

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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), d.c.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

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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), 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.

**Tested
according to:**

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