



Product Service

CERTIFICATE

No. B 086470 0082 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

Certification Mark:



Product:

**Converter
Hybrid Inverter**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092008133-00

Valid until: 2026-06-07

Date, 2021-06-08

(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), 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: IEC 62109-1(ed.1)
IEC 62109-2(ed.1)
EN 62109-1:2010
EN 62109-2:2011