



Product Service

# Attestation of Conformity

No. N8A 086470 0158 Rev. 01

**Holder of Attestation:** **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 conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 50409230013198-01

**Date,** 2024-06-20



( Zhengdong Ma )

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**Model(s):** S6-EH1P3K-L-PLUS, S6-EH1P3.6K-L-PLUS, S6-EH1P4.6K-L-PLUS, S6-EH1P5K-L-PLUS, S6-EH1P6K-L-PLUS, S6-EH1P8K-L-PLUS**Parameters:**

Model	S6-EH1P3K-L-PLUS	S6-EH1P3.6K-L-PLUS	S6-EH1P5K-L-PLUS
<b>PV input</b>			
Max. input voltage	500Vd.c.	500Vd.c.	500Vd.c.
MPPT voltage range	90, ..., 435Vd.c.	90, ..., 435Vd.c.	90, ..., 435Vd.c.
Max. input current	2x16Ad.c.	2x16Ad.c.	2x16Ad.c.
Isc PV (absolute maximum)	2x20Ad.c.	2x20Ad.c.	2x20Ad.c.
<b>Battery input</b>			
Battery type	Li-ion/Lead-acid		
Battery voltage range	40, ..., 60Vd.c.	40, ..., 60Vd.c.	40, ..., 60Vd.c.
Max. charge current	70Ad.c.	80Ad.c.	112Ad.c.
Max. discharge current	70Ad.c.	80Ad.c.	112Ad.c.
<b>AC output (Back-up)</b>			
Max./rated output power	3000W	3600W	5000W
Nominal output voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Nominal frequency	50/60 Hz		
Max./rated output current	13.7Aa.c.@ 220Va.c. 13.1Aa.c.@ 230Va.c.	16.4Aa.c.@ 220Va.c. 15.7Aa.c.@ 230Va.c.	22.8Aa.c.@ 220Va.c. 21.8Aa.c.@ 230Va.c.
<b>AC output (Grid side)</b>			
Max./rated apparent output power	3000VA	3600VA	5000VA
Nominal output voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Nominal frequency	50/60 Hz		
Max./rated output current	13.7Aa.c.@ 220Va.c. 13.1Aa.c.@ 230Va.c.	16.4Aa.c.@ 220Va.c. 15.7Aa.c.@ 230Va.c.	22.8Aa.c.@ 220Va.c. 21.8Aa.c.@ 230Va.c.
<b>AC input</b>			
Nominal voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Max./rated continuous current	21Aa.c.@ 220Va.c. 20Aa.c.@ 230Va.c.	25Aa.c.@ 220Va.c. 24Aa.c.@ 230Va.c.	32Aa.c.@ 220Va.c. 31Aa.c.@ 230Va.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP 66		
Operating temperature Range	-40°C, ..., +60°C		
Max. operation altitude	3000m		

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Model	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS	S6-EH1P4.6K-L-PLUS
<b>PV input</b>			
Max. input voltage	500Vd.c.	500Vd.c.	500Vd.c.
MPPT voltage range	90, ..., 435Vd.c.	90, ..., 435Vd.c.	90, ..., 435Vd.c.
Max. input current	2x16Ad.c.	2x32Ad.c.	2x16Ad.c.
Isc PV (absolute maximum)	2x20Ad.c.	2x40Ad.c.	2x20Ad.c.
<b>Battery input</b>			
Battery type	Li-ion/Lead-acid		
Battery voltage range	40, ..., 60Vd.c.	40, ..., 60Vd.c.	40, ..., 60Vd.c.
Max. charge current	135Ad.c.	190Ad.c.	105Ad.c.
Max. discharge current	135Ad.c.	190Ad.c.	105Ad.c.
<b>AC output (Back-up)</b>			
Max./rated output power	6000W	8000W	4600W
Nominal output voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Nominal frequency	50/60 Hz		
Max./rated output current	27.3Aa.c.@ 220Va.c. 26.1Aa.c.@ 230Va.c.	36.4Aa.c.@ 220Va.c. 34.8Aa.c.@ 230Va.c.	20.9Aa.c.@ 220Va.c. 20.0Aa.c.@ 230Va.c.
<b>AC output (Grid side)</b>			
Max./rated apparent output power	6000VA	8000VA	4600VA
Nominal output voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Nominal frequency	50/60 Hz		
Max./rated output current	27.3Aa.c.@ 220Va.c. 26.1Aa.c.@ 230Va.c.	36.4Aa.c.@ 220Va.c. 34.8Aa.c.@ 230Va.c.	20.9Aa.c.@ 220Va.c. 20.0Aa.c.@ 230Va.c.
<b>AC input</b>			
Nominal voltage	1/N/PE 220Va.c., 1/N/PE 230Va.c.		
Max./rated continuous current	40Aa.c. @ 220Va.c. 39Aa.c.@ 230Va.c.	50Aa.c.@ 220Va.c. 50Aa.c.@ 230Va.c.	29Aa.c.@ 220Va.c. 28Aa.c.@ 230Va.c.
Nominal frequency	50/60 Hz		
<b>General</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature Range	-40°C, ..., +60°C		
Max. operation altitude	3000m		

**Tested  
according to:**

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

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