



Product Service

Attestation of Conformity

No. N8A 086470 0158 Rev. 03**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****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,
S6-EH1P8K-L-PLUS-IT, S6-EH1P3K-L-PLUS(21A),
S6-EH1P3.6K-L-PLUS(21A), S6-EH1P4.6K-L-PLUS(21A),
S6-EH1P5K-L-PLUS(21A), S6-EH1P6K-L-PLUS(21A),
S6-EH1P8K-L-PLUS(21A), S6-EH1P9K-L-PLUS(21A),
S6-EH1P9.9K-L-PLUS(21A), S6-EH1P10K-L-PLUS(21A)

Parameters:

See next pages

**Tested
according to:**

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

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

Test report no.: 50409230013198-03**Date,** 2025-07-29

(Zhengdong Ma)

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Model	S6-EH1P3K-L-PLUS	S6-EH1P3.6K-L-PLUS	S6-EH1P5K-L-PLUS
PV input			
Max. input voltage	500 Vd.c.	500 Vd.c.	500 Vd.c.
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x16 Ad.c.	2x16 Ad.c.	2x16 Ad.c.
Isc PV (absolute maximum)	2x20 Ad.c.	2x20 Ad.c.	2x20 Ad.c.
Battery input			
Battery type	Li-ion/Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	70 Ad.c.	80 Ad.c.	112 Ad.c.
Max. discharge current	70 Ad.c.	80 Ad.c.	112 Ad.c.
AC output (Back-up)			
Max. (rated) output power	3000 W	3600 W	5000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Nominal frequency	50/60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.
AC output (Grid side)			
Max. (rated) apparent output power	3000 VA	3600 VA	5000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Nominal frequency	50/60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.
AC input			
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.		
Max. (rated) continuous current	21 Aa.c.@ 220 Va.c. 20 Aa.c.@ 230 Va.c.	25 Aa.c.@ 220 Va.c. 24 Aa.c.@ 230 Va.c.	32 Aa.c.@ 220 Va.c. 31 Aa.c.@ 230 Va.c.
Nominal frequency	50/60 Hz		
General parameters			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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Model	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS	S6-EH1P4.6K-L-PLUS	S6-EH1P8K-L-PLUS-IT
PV input				
Max. input voltage	500 Vd.c.	500 Vd.c.	500 Vd.c.	500 Vd.c.
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x16 Ad.c.	2x32 Ad.c.	2x16 Ad.c.	2x32 Ad.c.
Isc PV (absolute maximum)	2x20 Ad.c.	2x40 Ad.c.	2x20 Ad.c.	2x40 Ad.c.
Battery input				
Battery type	Li-ion/Lead-acid			
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	135 Ad.c.	190 Ad.c.	105 Ad.c.	190 Ad.c.
Max. discharge current	135 Ad.c.	190 Ad.c.	105 Ad.c.	190 Ad.c.
AC output (Back-up)				
Max./rated output power	6000 W	8000 W	4600 W	8000 W
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Nominal frequency	50/60 Hz			
Max. (rated) output current	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.	20.9 Aa.c.@ 220 Va.c. 20.0 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.
AC output (Grid side)				
Max. (rated) apparent output power	6000 VA	8000 VA	4600 VA	6000 VA
Nominal output voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Nominal frequency	50/60 Hz			
Max. (rated) output current	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.	20.9 Aa.c.@ 220 Va.c. 20.0 Aa.c.@ 230 Va.c.	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.
AC input				
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Max. (rated) continuous current	40 Aa.c. @ 220 Va.c. 39 Aa.c.@ 230 Va.c.	50 Aa.c.@ 220 Va.c. 50 Aa.c.@ 230 Va.c.	29 Aa.c.@ 220 Va.c. 28 Aa.c.@ 230 Va.c.	50 Aa.c.@ 220 Va.c. 50 Aa.c.@ 230 Va.c.
Nominal frequency	50/60 Hz			
General parameters				
Power factor range	-0.8, ..., 1, ..., +0.8			
Protective class	I			
Ingress protection	IP66			
Operating temperature range	-40°C, ..., +60 °C			

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Model	S6-EH1P3K-L-PLUS(21A)	S6-EH1P3.6K-L-PLUS(21A)	S6-EH1P4.6K-L-PLUS(21A)
PV input			
Max. input voltage	500 Vd.c.		
MPPT voltage range	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.	90, ..., 435 Vd.c.
Max. input current	2x21 Ad.c.	2x21 Ad.c.	2x21 Ad.c.
Isc PV (absolute maximum)	2x24Ad.c.	2x24 Ad.c.	2x24 Ad.c.
MPPT number/max input strings number	2/2	2/2	2/2
Battery input			
Battery type	Li-ion / Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.	40, ..., 60 Vd.c.
Max. charge current	70 Ad.c.	80 Ad.c.	105 Ad.c.
Max. discharge current	70 Ad.c.	80 Ad.c.	105 Ad.c.
AC output (Back-up)			
Max. (rated) output power	3000 W	3600 W	4600 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	20.9 Aa.c.@ 220 Va.c. 20.0 Aa.c.@ 230 Va.c.
AC output (Grid side)			
Max. (rated) apparent output power	3000 VA	3600 VA	4600 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max. (rated) output current	13.7 Aa.c.@ 220 Va.c. 13.1 Aa.c.@ 230 Va.c.	16.4 Aa.c.@ 220 Va.c. 15.7 Aa.c.@ 230 Va.c.	20.9 Aa.c.@ 220 Va.c. 20.0 Aa.c.@ 230 Va.c.
AC input			
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Max. (rated) continuous current	21 Aa.c.@ 220 Va.c. 20 Aa.c.@ 230 Va.c.	25 Aa.c.@ 220 Va.c. 24 Aa.c.@ 230 Va.c.	29 Aa.c.@ 220 Va.c. 28 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz		
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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Model	S6-EH1P5K-L-PLUS(21A)	S6-EH1P6K-L-PLUS(21A)	S6-EH1P8K-L-PLUS(21A)
PV input			
Max. input voltage	500 Vd.c.		
MPPT voltage range	90, ..., 435 Vd.c.		
Max. input current	2x21 Ad.c.	2x21 Ad.c.	2x42 Ad.c.
Isc PV (absolute maximum)	2x24 Ad.c.	2x24 Ad.c.	2x48 Ad.c.
MPPT number/max input strings number	2/2	2/2	2/4
Battery input			
Battery type	Li-ion / Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.		
Max. charge current	112 Ad.c.	135 Ad.c.	190 Ad.c.
Max. discharge current	112 Ad.c.	135 Ad.c.	190 Ad.c.
AC output (Back-up)			
Max. (rated) output power	5000 W	6000 W	8000 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max./rated output current	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.
AC output (Grid side)			
Max. (rated) apparent output power	5000 VA	6000 VA	8000 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max. (rated) output current	22.8 Aa.c.@ 220 Va.c. 21.8 Aa.c.@ 230 Va.c.	27.3 Aa.c.@ 220 Va.c. 26.1 Aa.c.@ 230 Va.c.	36.4 Aa.c.@ 220 Va.c. 34.8 Aa.c.@ 230 Va.c.
AC input			
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Max. (rated) continuous current	32 Aa.c.@ 220 Va.c. 31 Aa.c.@ 230 Va.c.	40 Aa.c.@ 220 Va.c. 39 Aa.c.@ 230 Va.c.	50 Aa.c.@ 220 Va.c. 50 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz		
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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Model	S6-EH1P9K-L-PLUS(21A)	S6-EH1P9.9K-L-PLUS(21A)	S6-EH1P10K-L-PLUS(21A)
PV input			
Max. input voltage	500 Vd.c.		
MPPT voltage range	90, ..., 435 Vd.c.		
Max. input current	2x42 Ad.c.	2x42 Ad.c.	2x42 Ad.c.
Isc PV (absolute maximum)	2x48 Ad.c.	2x48 Ad.c.	2x48 Ad.c.
MPPT number/max input strings number	2/4	2/4	2/4
Battery input			
Battery type	Li-ion / Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.		
Max. charge current	200 Ad.c.	210 Ad.c.	210 Ad.c.
Max. discharge current	200 Ad.c.	210 Ad.c.	210 Ad.c.
AC output (Back-up)			
Max. (rated) output power	9000 W	9900 W	10000 W
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max./rated output current	40.9 Aa.c.@ 220 Va.c. 39.1 Aa.c.@ 230 Va.c.	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	45.5 Aa.c.@ 220 Va.c. 43.5 Aa.c.@ 230 Va.c.
AC output (Grid side)			
Max. (rated) apparent output power	9000 VA	9900 VA	10000 VA
Nominal output voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Nominal frequency	50 / 60 Hz		
Max. (rated) output current	40.9 Aa.c.@ 220 Va.c. 39.1 Aa.c.@ 230 Va.c.	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	45.5 Aa.c.@ 220 Va.c. 43.5 Aa.c.@ 230 Va.c.
AC input			
Nominal voltage	1/N/PE 220 Va.c. 1/N/PE 230 Va.c.		
Max. (rated) continuous current	60 Aa.c.@ 220 Va.c. 60 Aa.c.@ 230 Va.c.	65 Aa.c.@ 220 Va.c. 65 Aa.c.@ 230 Va.c.	65 Aa.c.@ 220 Va.c. 65 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz		
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-40°C, ..., +60 °C		

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