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Product Service

C E R T I F I C A T E

No. B 086470 0157 Rev. 04

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

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), S6-EH1P7.5K-L-PLUS-MAX(21A)**

Parameters: See next pages

Tested according to: IEC 62109-1:2010
EN 62109-1:2010
IEC 62109-2:2011
EN 62109-2:2011

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 50409230013198-04

Valid until: 2031-03-03

Date, 2026-03-04

(Zhengdong Ma)

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Models	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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Models	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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Models	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.
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		
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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Models	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.
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 34.8Aa.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		
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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Models	S6-EH1P9K-L-PLUS(21A)	S6-EH1P9.9K-L-PLUS(21A)	S6-EH1P10K-L-PLUS(21A)	S6-EH1P7.5K-L-PLUS-MAX(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.	2x42 Ad.c.
Isc PV (absolute maximum)	2x48 Ad.c.	2x48 Ad.c.	2x48 Ad.c.	2x48 Ad.c.
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.	210 Ad.c.
Max. discharge current	200 Ad.c.	210 Ad.c.	210 Ad.c.	210 Ad.c.
AC output (Back-up)				
Max. (rated) output power	9000 W	9900 W	10000 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.	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	7500 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.	34.1 Aa.c.@ 220 Va.c. 32.6 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.	65 Aa.c.@ 220 Va.c. 65 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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