



Product Service

CERTIFICATE

No. B 086470 0157 Rev. 01

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

Test report no.: 50409230013198-01

Valid until: 2029-06-19

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
PV input			
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.
Battery input			
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.
AC output (Back-up)			
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.
AC output (Grid side)			
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.
AC input			
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		
General			
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
PV input			
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.
Battery input			
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.
AC output (Back-up)			
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.
AC output (Grid side)			
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.
AC input			
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		
General			
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: IEC 62109-1:2010
 EN 62109-1:2010
 IEC 62109-2:2011
 EN 62109-2:2011