



Product Service

Attestation of Conformity

No. N8A 086470 0195 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

Test report no.: 50409230013278-01

Date, 2025-07-30

(Zhengdong Ma)

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Model(s):

S6-EH1P9.9K03-NV-YD-L, S6-EH1P12K03-NV-YD-L,
S6-EH1P14K03-NV-YD-L, S6-EH1P16K03-NV-YD-L,
S6-EH1P18K03-NV-YD-L

Parameters:

Model	S6-EH1P9.9K03- NV-YD-L	S6-EH1P12K03- NV-YD-L	S6-EH1P14K03- NV-YD-L	S6-EH1P16K03- NV-YD-L
PV input				
Max. input voltage	550 Vd.c.			
MPPT voltage range	80, ..., 520 Vd.c.			
Max. input current	3x40 Ad.c.			
Isc PV (absolute maximum)	3x50 Ad.c.			
MPPT number/ max. input strings number	3/6			
Battery input				
Battery type	Lithium-ion / Lead-acid			
Battery voltage range	40, ..., 60 Vd.c.			
Max. charge current	208 Ad.c.	250 Ad.c.	290 Ad.c.	290 Ad.c.
Max. discharge current	208 Ad.c.	250 Ad.c.	290 Ad.c.	290 Ad.c.
AC output (Back-up)				
Max.(rated) output power	9900 W	12000 W	14000 W	16000 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	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.
AC output (Grid side)				
Max.(rated) apparent output power	9900 VA	12000 VA	14000 VA	16000 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	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.
AC input				
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.			
Grid max.(rated) continuous current	67.5 Aa.c.@ 220 Va.c. 64.5 Aa.c.@ 230 Va.c.	81.8 Aa.c.@ 220 Va.c. 78.3 Aa.c.@ 230 Va.c.	95.5 Aa.c.@ 220 Va.c. 91.3 Aa.c.@ 230 Va.c.	109.1 Aa.c.@ 220 Va.c. 104.3 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	45.0 Aa.c.@ 220 Va.c. 43.1 Aa.c.@ 230 Va.c.	54.5 Aa.c.@ 220 Va.c. 52.2 Aa.c.@ 230 Va.c.	63.6 Aa.c.@ 220 Va.c. 60.9 Aa.c.@ 230 Va.c.	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.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	-25°C, ..., +60 °C			
Max. operation altitude	4000 m			

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Model	S6-EH1P18K03-NV-YD-L
PV input	
Max. input voltage	550 Vd.c.
MPPT voltage range	80, ..., 520Vd.c.
Max. input current	3x42 Ad.c.
Isc PV (absolute maximum)	3x50 Ad.c.
MPPT number/max input strings number	3/6
Battery input	
Battery type	Lithium-ion / Lead-acid
Battery voltage range	40, ..., 60 Vd.c.
Max. charge current	320 Ad.c.
Max. discharge current	320 Ad.c.
AC output (Back-up)	
Max.(rated) output power	18000 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	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
AC output (Grid side)	
Max.(rated) apparent output power	18000 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	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
AC input	
Nominal voltage	1/N/PE 220 Va.c., 1/N/PE 230 Va.c.
Grid max.(rated) continuous current	122.7 Aa.c.@ 220 Va.c. 117.4 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.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	-25°C, ..., +60 °C
Max. operation altitude	4000 m

**Tested
according to:**

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

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