

Compliance Document

No. D 086470 0156 Rev. 01

Holder of Certificate: **Ginlong Technologies Co., Ltd.**

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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 4840923316501

Date, 2023-12-22



(Ming Gu)

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Model(s): S6-EH1P3K-L-PLUS, S6-EH1P3.6K-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 d.c.	500 V		
Mppt voltage range d.c.	90-435 V		
Max. input current d.c.	2x16 A		
Isc PV (absolute maximum) d.c.	2x20 A		
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	70A /70A	80A /80A	112A /112A
AC-Output (Back-up)			
Max. /Rated output power a.c.	3000W	3600W	5000W
Nominal output voltage a.c.	1/N/PE,220V/230V	1/N/PE,220V/230V	1/N/PE,220V/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	13.7A/13.1A	16.4A/15.7A	22.8A/21.8A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	3000VA	3600VA	5000VA
Nominal output voltage a.c.	1/N/PE,220V/230V	1/N/PE,220V/230V	1/N/PE,220V/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	13.7A/13.1A	16.4A/15.7A	22.8A/21.8A
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60°C		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	1/N/PE, 220V/230V		
Max. /Rated continuous current	21A/20A	25A/24A	32A/31A
Nominal Frequency	50/60Hz		

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Model	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS
PV-Input		
Max. input voltage d.c.	500 V	
Mpvt voltage range d.c.	90-435 V	
Max. input current d.c.	2x16 A	2x32 A
Isc PV (absolute maximum) d.c.	2x20 A	2x40 A
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	
Max. Charge/discharge current d.c.	135A /135A	190A /190A
AC-Output (Back-up)		
Max. /Rated output power a.c.	6000W	8000W
Nominal output voltage a.c.	1/N/PE,220V/230V	1/N/PE,220V/230V
Nominal Frequency	50/60Hz	50/60Hz
Max. /Rated output current a.c.	27.3A/26.1A	36.4A/34.8A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	6000VA	8000VA
Nominal output voltage a.c.	1/N/PE,220V/230V	1/N/PE,220V/230V
Nominal Frequency	50/60Hz	50/60Hz
Max. /Rated output current a.c.	27.3A/26.1A	36.4A/34.8A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-40...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	1/N/PE,220V/230V	
Max. /Rated continuous current	40A/39A	50A/50A
Nominal Frequency	50/60Hz	

**Tested
according to:**

EN IEC 61000-6-1:2019
 EN IEC 61000-6-2:2019
 EN IEC 61000-6-3:2021
 EN IEC 61000-6-4:2019
 IEC 61000-3-2:2018/AMD1:2020
 IEC 61000-3-12:2011/AMD1:2021
 IEC 61000-3-3:2013/AMD2:2021
 IEC 61000-3-11:2017
 IEC 62920:2017/A1:2021