

Compliance Document

No. D 086470 0198 Rev. 00

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.: 4840924302500

Date, 2024-06-28



(Ming Gu)

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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
S6-EH1P3K-L-PLUS-AU, S6-EH1P3.6K-L-PLUS-AU,
S6-EH1P5K-L-PLUS-AU, S6-EH1P6K-L-PLUS-AU,
S6-EH1P8K-L-PLUS-AU**

Parameters:

Model	S6-EH1P3K-L-PLUS	S6-EH1P3.6K-L-PLUS	S6-EH1P4.6K-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		
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	105A /105A
AC-Output (Back-up)			
Max. /Rated output power a.c.	3000W	3600W	4600W
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	20.9A/20A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	3000VA	3600VA	4600VA
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	20.9A/20A
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	29A/28A
Nominal Frequency	50/60Hz		

Model	S6-EH1P5K-L-PLUS	S6-EH1P6K-L-PLUS	S6-EH1P8K-L-PLUS
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PV-Input			
Max. input voltage d.c.	500 V	500 V	500 V
Mppt voltage range d.c.	90-435 V	90-435 V	90-435 V
Max. input current d.c.	2x16 A	2x16 A	2x32 A
Isc PV (absolute maximum) d.c.	2x20 A	2x20 A	2x40 A
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	112A /112A	135A /135A	190A /190A
AC-Output (Back-up)			
Max. /Rated output power a.c.	5000W	6000W	8000W
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.	22.8A/21.8A	27.3A/26.1A	36.4A/34.8A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	5000VA	6000VA	8000VA
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.	22.8A/21.8A	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	32A/31A	40A/39A	50A/50A
Nominal Frequency	50/60Hz		

Model	S6-EH1P3K-L-PLUS-AU	S6-EH1P3.6K-L-PLUS-AU
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.	2x24 A	
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	

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Max. Charge/discharge current d.c.	70A /70A	80A /80A
Max. /Rated output power a.c.	3000W	3600W
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	13.1A	15.7A
Max. /Rated apparent output power a.c.	3000VA	3600VA
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	13.1A	15.7A
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, 230V	
Max. /Rated continuous current	20A	24A
Nominal Frequency	50/60Hz	

Model	S6-EH1P5K-L-PLUS-AU	S6-EH1P6K-L-PLUS-AU	S6-EH1P8K-L-PLUS-AU
PV-Input			
Max. input voltage d.c.	500 V	500 V	500 V
Mpvt voltage range d.c.	90-435 V	90-435 V	90-435 V
Max. input current d.c.	2x16 A	2x16 A	2x32 A
Isc PV (absolute maximum) d.c.	2x24 A	2x24 A	2x48 A
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	112A /112A	135A /135A	190A /190A
AC-Output (Back-up)			
Max. /Rated output power a.c.	5000W	6000W	8000W
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz	50Hz
Max. /Rated output current a.c.	21.8A	26.1A	34.8A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	5000VA	6000VA	8000VA
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz	50Hz



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Max. /Rated output current a.c.	21.8A	26.1A	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	31A	39A	50A
Nominal Frequency	50/60Hz		

Tested according to:

- IEC 61000-6-1:2016
- IEC 61000-6-2:2016
- IEC 61000-6-3:2020
- IEC 61000-6-4:2018
- 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