



Product Service

Compliance Document

No. D 086470 0198 Rev. 02

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.: 4840924302502

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(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-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-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,
S6-EH1P3K-L-PLUS-AU(21A), S6-EH1P3.6K-L-PLUS-AU(21A),
S6-EH1P5K-L-PLUS-AU(21A), S6-EH1P6K-L-PLUS-AU(21A),
S6-EH1P8K-L-PLUS-AU(21A)

Parameters:

Model	S6-EH1P3K-L-PLUS, S6-EH1P3K-L-PLUS-AU	S6-EH1P3.6K-L-PLUS, S6-EH1P3.6K-L-PLUS-AU	S6-EH1P4.6K-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	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		



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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		



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Model	S6-EH1P5K-L-PLUS, S6-EH1P5K-L-PLUS-AU	S6-EH1P6K-L-PLUS, S6-EH1P6K-L-PLUS-AU	S6-EH1P8K-L-PLUS, S6-EH1P8K-L-PLUS-AU
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		



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Model	S6-EH1P8K-L-PLUS-IT	S6-EH1P3K-L-PLUS(21A), S6-EH1P3K-L-PLUS-AU(21A)	S6-EH1P3.6K-L-PLUS(21A), S6-EH1P3.6K-L-PLUS-AU(21A)
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.	2x32 A	2x21 A	2x21 A
Isc PV (absolute maximum) d.c.	2x40 A	2x24 A	2x24 A
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	190A /190A	70A /70A	80A /80A
AC-Output (Back-up)			
Max. /Rated output power a.c.	8000W	3000W	3600W
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	36.4A/34.8A	13.7A/13.1A	16.4A/15.7A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	6000VA	3000VA	3600VA
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	27.3A/26.1A	13.7A/13.1A	16.4A/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,220/230V		
Max. /Rated continuous current	50A/50A	21A/20A	25A/24A
Nominal Frequency	50/60Hz		



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Model	S6-EH1P4.6K-L-PLUS(21A)	S6-EH1P5K-L-PLUS(21A), S6-EH1P5K-L-PLUS-AU(21A)	S6-EH1P6K-L-PLUS(21A), S6-EH1P6K-L-PLUS-AU(21A)
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.	2x21 A	2x21 A	2x21 A
Isc PV (absolute maximum) d.c.	2x24 A	2x24 A	2x24 A
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	105A /105A	112A /112A	135A /135A
AC-Output (Back-up)			
Max. /Rated output power a.c.	4600W	5000W	6000W
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.9A/20.0A	22.8A/21.8A	27.3A/26.1A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	4600VA	5000VA	6000VA
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	20.9A/20.0A	22.8A/21.8A	27.3A/26.1A
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	29A/28A	32A/31A	40A/39A
Nominal Frequency	50/60Hz		



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Model	S6-EH1P8K-L-PLUS(21A), S6-EH1P8K-L-PLUS-AU(21A)	S6-EH1P9K-L-PLUS(21A)	S6-EH1P9.9K-L-PLUS(21A)
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.	2x42A	2x42A	2x42A
Isc PV (absolute maximum) d.c.	2x48 A	2x48 A	2x48 A
Battery			
Battery type	Li-ion/Lead-acid		
Battery Voltage range d.c.	40-60V		
Max. Charge/discharge current d.c.	190A /190A	200A /200A	210A /210A
AC-Output (Back-up)			
Max. /Rated output power a.c.	8000W	9000W	9900W
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	36.4A/34.8A	40.9A/39.1A	45.0A/43.1A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	8000VA	9000VA	9900VA
Nominal output voltage a.c.	1/N/PE,220/230V	1/N/PE,220/230V	1/N/PE,220/230V
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	36.4A/34.8A	40.9A/39.1A	45.0A/43.1A
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	50A/50A	60A/60A	65A/65A
Nominal Frequency	50/60Hz		



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Model	S6-EH1P10K-L-PLUS(21A)
PV-Input	
Max. input voltage d.c.	500 V
Mppt voltage range d.c.	90-435 V
Max. input current d.c.	2x42A
Isc PV (absolute maximum) d.c.	2x48 A
Battery	
Battery type	Li-ion/Lead-acid
Battery Voltage range d.c.	40-60V
Max. Charge/discharge current d.c.	210A /210A
AC-Output (Back-up)	
Max. /Rated output power a.c.	10000W
Nominal output voltage a.c.	1/N/PE,220/230V
Nominal Frequency	50/60Hz
Max. /Rated output current a.c.	45.5A/43.5A
AC-Output (Grid side)	
Max. /Rated apparent output power a.c.	10000VA
Nominal output voltage a.c.	1/N/PE,220/230V
Nominal Frequency	50/60Hz
Max. /Rated output current a.c.	45.5A/43.5A
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	65A/65A
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