



Product Service

Compliance Document

No. D 086470 0190 Rev. 02

Holder of Attestation: **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 particular sample. This compliance document makes no statement regarding the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

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(Ming Gu)



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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,
S6-EH1P10K03-NV-YD-L-AU,
S6-EH1P12K03-NV-YD-L-AU,
S6-EH1P14K03-NV-YD-L-AU,
S6-EH1P16K03-NV-YD-L-AU

Parameters:

Model	S6-EH1P9.9K03-NV-YD-L	S6-EH1P12K03-NV-YD-L
PV-Input		
Max. input voltage d.c.	550 V	
Mppt voltage range d.c.	80-520 V	
Max. input current d.c.	3x40 A	3x40 A
Isc PV (absolute maximum) d.c.	3x50 A	3x50 A
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	
Max. Charge/discharge current d.c.	208A /208A	250A /250A
AC-Output (Back-up)		
Max. /Rated output power a.c.	9900W	12000W
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.	45A/43.1A	54.5A/52.2A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	9900VA	12000VA
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.	45.0A/43.1A	54.5A/52.2A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	1/N/PE,220V/230V	
Grid Max. /Rated continuous current	67.5A/64.5A	81.8A/78.3A
Gen Max. /Rated continuous current	45.0A/43.1A	54.5A/52.2A
Nominal Frequency	50/60Hz	



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Model	S6-EH1P14K03-NV-YD-L	S6-EH1P16K03-NV-YD-L
PV-Input		
Max. input voltage d.c.	550 V	
Mppt voltage range d.c.	80-520 V	
Max. input current d.c.	3x40 A	3x40 A
Isc PV (absolute maximum) d.c.	3x50 A	3x50 A
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	
Max. Charge/discharge current d.c.	290A /290A	290A /290A
AC-Output (Back-up)		
Max. /Rated output power a.c.	14000W	16000W
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.	63.6A/60.9A	72.7A/69.6A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	14000VA	16000VA
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.	63.6A/60.9A	72.7A/69.6A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	1/N/PE,220V/230V	
Grid Max. /Rated continuous current	95.5A/91.3A	109.1A/104.3A
Gen Max. /Rated continuous current	63.6A/60.9A	72.7A/69.6A
Nominal Frequency	50/60Hz	

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Model	S6-EH1P10K03-NV-YD-L-AU	S6-EH1P12K03-NV-YD-L-AU
PV-Input		
Max. input voltage d.c.	550 V	
Mppt voltage range d.c.	100-450V	
Max. input current d.c.	3x40 A	3x40 A
Isc PV (absolute maximum) d.c.	3x50 A	3x50 A
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	
Max. Charge/discharge current d.c.	208A /208A	250A /250A
AC-Output (Back-up)		
Max. /Rated output power a.c.	9999W	12000W
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	43.5A	52.2A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	9999VA	12000VA
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	43.5A	52.2A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	1/N/PE,230V	
Grid Max. /Rated continuous current	64.5A	78.3A
Gen Max. /Rated continuous current	43.5A	52.5A
Nominal Frequency	50Hz	

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Model	S6-EH1P14K03-NV-YD-L-AU	S6-EH1P16K03-NV-YD-L-AU
PV-Input		
Max. input voltage d.c.	550 V	
Mppt voltage range d.c.	100-450V	
Max. input current d.c.	3x40 A	3x40 A
Isc PV (absolute maximum) d.c.	3x50 A	3x50 A
Battery		
Battery type	Li-ion/Lead-acid	
Battery Voltage range d.c.	40-60V	
Max. Charge/discharge current d.c.	290A /290A	290A /290A
AC-Output (Back-up)		
Max. /Rated output power a.c.	14000W	16000W
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	60.9A	69.6A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	14000VA	16000VA
Nominal output voltage a.c.	1/N/PE,230V	1/N/PE,230V
Nominal Frequency	50Hz	50Hz
Max. /Rated output current a.c.	60.9A	69.6A
Power factor range	-0.8...1...+ 0.8	
Protective class	I	
Ingress protection	IP66	
Ambient temperature	-25...+60°C	
AC-Input (For grid port and Gen port)		
Nominal voltage a.c.	1/N/PE,230V	
Grid Max. /Rated continuous current	91.3A	104.3A
Gen Max. /Rated continuous current	60.9A	69.6A
Nominal Frequency	50Hz	



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Model	S6-EH1P18K03-NV-YD-L
PV-Input	
Max. input voltage d.c.	550 V
Mppt voltage range d.c.	80-520 V
Max. input current d.c.	3x42 A
Isc PV (absolute maximum) d.c.	3x50 A
Battery	
Battery type	Li-ion/Lead-acid
Battery Voltage range d.c.	40-60V
Max. Charge/discharge current d.c.	320A /320A
AC-Output (Back-up)	
Max. /Rated output power a.c.	18000W
Nominal output voltage a.c.	1/N/PE,220V/230V
Nominal Frequency	50/60Hz
Max. /Rated output current a.c.	81.8A/78.2A
AC-Output (Grid side)	
Max. /Rated apparent output power a.c.	18000VA
Nominal output voltage a.c.	1/N/PE,220V/230V
Nominal Frequency	50/60Hz
Max. /Rated output current a.c.	81.8A/78.2A
Power factor range	-0.8...1...+ 0.8
Protective class	I
Ingress protection	IP66
Ambient temperature	-25...+60°C
AC-Input (For grid port and Gen port)	
Nominal voltage a.c.	1/N/PE,220V/230V
Grid Max. /Rated continuous current	122.7A/117.4A
Gen Max. /Rated continuous current	81.8A/78.2A
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