



Product Service

# Compliance Document

No. D 086470 0268 Rev. 00

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

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Binhai Industrial Park, Xiangshan  
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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**Hybrid Inverter (integrated with AFPE)**

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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092514282-00

**Date,** 2025-10-30

( Kai Zhao )



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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:

Models	S6-EH1P9.9K03-NV-YD-L	S6-EH1P12K03-NV-YD-L	S6-EH1P14K03-NV-YD-L
<b>PV input</b>			
Max. input voltage	550 Vd.c.		
MPPT voltage range	80, ..., 520 Vd.c.		
Max. input current	3x40 Ad.c.	3x40 Ad.c.	3x40 Ad.c.
Isc PV (absolute maximum)	3x50 Ad.c.	3x50 Ad.c.	3x50 Ad.c.
<b>Battery input</b>			
Battery type	Li-ion / Lead-acid		
Battery voltage range	40, ..., 60 Vd.c.		
Max. charge current	208 Ad.c.	250 Ad.c.	290 Ad.c.
Max. discharge current	208 Ad.c.	250 Ad.c.	290 Ad.c.
<b>AC output (Back-up)</b>			
Max. (rated) output power	9900 W	12000 W	14000 W
Nominal output voltage	1/N/PE AC 220 V 1/N/PE AC 230 V		
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.
<b>AC output (Grid side)</b>			
Max. (rated) apparent output power	9900 VA	12000 VA	14000 VA
Nominal output voltage	1/N/PE AC 220 V 1/N/PE AC 230 V		
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.
<b>AC input (for Grid port and Gen port)</b>			
Nominal voltage	1/N/PE AC 220 V 1/N/PE AC 230 V		
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.
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.
Nominal frequency	50 / 60 Hz		
<b>General parameters</b>			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-25 °C, ..., +60 °C		
Classification of AFPE (PV to AC)	F-I-AFPE-1-4/2-2	F-I-AFPE-1-4/2-2	F-I-AFPE-1-4/2-2



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Models	S6-EH1P16K03-NV-YD-L	S6-EH1P18K03-NV-YD-L
<b>PV input</b>		
Max. input voltage	550 Vd.c.	
MPPT voltage range	80, ..., 520 Vd.c.	
Max. input current	3x40 Ad.c.	3x42 Ad.c.
Isc PV (absolute maximum)	3x50 Ad.c.	3x50 Ad.c.
<b>Battery input</b>		
Battery type	Li-ion / Lead-acid	
Battery voltage range	40, ..., 60 Vd.c.	
Max. charge current	290 Ad.c.	320 Ad.c.
Max. discharge current	290 Ad.c.	320 Ad.c.
<b>AC output (Back-up)</b>		
Max. (rated) output power	16000 W	18000 W
Nominal output voltage	1/N/PE AC 220 V 1/N/PE AC 230 V	
Nominal frequency	50 / 60 Hz	
Max. (rated) output current	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
<b>AC output (Grid side)</b>		
Max. (rated) apparent output power	16000 VA	18000 VA
Nominal output voltage	1/N/PE AC 220 V 1/N/PE AC 230 V	
Nominal frequency	50 / 60 Hz	
Max. (rated) output current	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
<b>AC input (for Grid port and Gen port)</b>		
Nominal voltage	1/N/PE AC 220 V 1/N/PE AC 230 V	
Grid max.(rated) continuous current	109.1 Aa.c.@ 220 Va.c. 104.3 Aa.c.@ 230 Va.c.	122.7 Aa.c.@ 220 Va.c. 117.4 Aa.c.@ 230 Va.c.
Gen max.(rated) continuous current	72.7 Aa.c.@ 220 Va.c. 69.6 Aa.c.@ 230 Va.c.	81.8 Aa.c.@ 220 Va.c. 78.2 Aa.c.@ 230 Va.c.
Nominal frequency	50 / 60 Hz	
<b>General parameters</b>		
Power factor range	-0.8, ..., 1, ..., +0.8	
Protective class	I	
Ingress protection	IP66	
Operating temperature range	-25 °C, ..., +60 °C	
Classification of AFPE (PV to AC)	F-I-AFPE-1-4/2-2	F-I-AFPE-1-4/2-2

**Tested according to:**

IEC 63027:2023