

# Compliance Document

No. D 086470 0138 Rev. 00

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

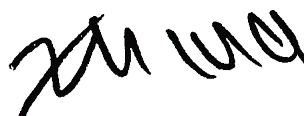
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PEOPLE'S REPUBLIC OF CHINA

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

**Test report no.:** 704092304835-00

**Date,** 2023-05-24



( Zhengdong Ma )

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**Model(s):**

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

## Parameters:

Models	S6-EH1P3K-L-PRO	S6-EH1P3.6K-L-PRO
1) PV input		
Max. input voltage	600 Vd.c.	600 Vd.c.
MPPT voltage range	90 - 520 Vd.c.	90 - 520 Vd.c.
Max. input current	2x16A	2x16A
Max. short-circuit input current	2x24A	2x24A
2) Battery input		
Battery type	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery voltage range	40 - 60 Vd.c.	40 - 60 Vd.c.
Max. charge current:	70 Ad.c.	80 Ad.c.
Max. discharge current:	70 Ad.c.	80 Ad.c.
3) AC-output (Back-up)		
Rated output voltage:	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz
Rated output current:	13A	15.7A
Rated output power	3000W	3600W

4) AC-output (Grid side)		
Rated output voltage:	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz
Max. output current:	15A	20A
Max. apparent output power	3300VA	4000VA
Power factor range	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)
5) AC input		
Rated output voltage:	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz
Max. continuous current:	20A	25A

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Models	S6-EH1P5K-L-PRO	S6-EH1P6K-L-PRO	S6-EH1P8K-L-PRO
1) PV input			
Max. input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	90 - 520 Vd.c.	90 - 520 Vd.c.	90 - 520 Vd.c.
Max. input current	2x16A	2x16A	32A/20A
Max. short-circuit input current	2x24A	2x24A	36A/30A
2) Battery input			
Battery type	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Battery voltage range	40 - 60 Vd.c.	40 - 60 Vd.c.	40 - 60 Vd.c.
Max. charge current:	112 Ad.c.	135 Ad.c.	190 Ad.c.
Max. discharge current:	112 Ad.c.	135 Ad.c.	190 Ad.c.
3) AC-output (Back-up)			
Rated output voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz	50 Hz
Rated output current:	21.7A	26.1A	34.8A
Rated output power	5000W	6000W	8000W

4) AC-output (Grid side)			
Rated output voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz	50 Hz
Max. output current:	25A	30A	40A
Max. apparent output power	5500VA	6600VA	8800VA
Power factor range	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)	0.8(leading)-0.8(lagging)
5) AC input			
Rated output voltage:	230 Va.c.	230 Va.c.	230 Va.c.
Rated output frequency:	50 Hz	50 Hz	50 Hz
Max. continuous current:	32A	40A	50A

**Tested according to:**

IEC 61727:2004  
 IEC 62116:2014  
 IEC 61683:1999  
 IEC 60068-2-1:2007  
 IEC 60068-2-2:2007  
 IEC 60068-2-14:2009  
 IEC 60068-2-27:2008  
 IEC 60068-2-30:2005  
 IEC 60068-2-64:2008  
 IEC 60068-2-64:2008/AMD1:2019