



Product Service

# Compliance Document

No. D 086470 0189 Rev. 02

**Holder of Certificate:** **Ginlong Technologies Co., Ltd.**No.57 Jintong Road  
Binhai Industrial Park, Xiangshan  
315712 Ningbo, Zhejiang  
PEOPLE'S REPUBLIC OF CHINA**Product:** **Converter**  
**Hybrid Inverter****Model(s):** S6-EH3P29.9K-H, S6-EH3P30K-H, S6-EH3P40K-H,  
S6-EH3P50K-H, S6-EH3P29.9K-H-ND, S6-EH3P30K-H-ND,  
S6-EH3P40K-H-ND, S6-EH3P50K-H-ND, S6-EH3P29.9K-H(21A),  
S6-EH3P30K-H(21A), S6-EH3P40K-H(21A), S6-EH3P50K-H(21A),  
S6-EH3P60K-H(21A), S6-EH3P29.9K-H-ND(21A),  
S6-EH3P30K-H-ND(21A), S6-EH3P40K-H-ND(21A),  
S6-EH3P50K-H-ND(21A), S6-EH3P60K-H-ND(21A).**Parameters:** See next pages.**Tested** NRS 097-2-1:2024**according to:**

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.:** 704092304894-02**Date,** 2025-09-05

( Zhengdong Ma )



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Model	S6-EH3P29.9K-H	S6-EH3P30K-H	S6-EH3P40K-H
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 3x40A	DC 4x40A	
Isc PV (absolute maximum)	DC 3x60A	DC 4x60A	
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x70 A		
Max. discharge current:	DC 2x70 A		
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 43.2A	AC 43.3A	AC 57.7A
Max. (Rated) apparent output power	29900 VA	30000 VA	40000 VA
Power factor range	-0.8, ..., 1, ..., +0.8		

Model	S6-EH3P50K-H	S6-EH3P29.9K-H-ND	S6-EH3P30K-H-ND
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 4x40A	DC 3x40A	
Isc PV (absolute maximum)	DC 4x60A	DC 3x60A	
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x70 A		
Max. discharge current:	DC 2x70 A		
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 72.2A	AC 43.2A	AC 43.3A
Max. (Rated) apparent output power	50000 VA	29900 VA	30000 VA
Power factor range	-0.8, ..., 1, ..., +0.8		



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Model	S6-EH3P40K-H-ND	S6-EH3P50K-H-ND	S6-EH3P29.9K-H(21A)
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 4x40A	DC 3x42A	
Isc PV (absolute maximum)	DC 4x60A	DC 3x60A	
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x70 A	DC 2x80 A	
Max. discharge current:	DC 2x70 A	DC 2x80 A	
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 57.7A	AC 72.2A	AC 43.2A
Max. (Rated) apparent output power	40000 VA	50000 VA	29900 VA
Power factor range	-0.8, ...,1, ..., +0.8		

Model	S6-EH3P30K-H(21A)	S6-EH3P40K-H(21A)	S6-EH3P50K-H(21A)
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 3x42A	DC 4x42A	
Isc PV (absolute maximum)	DC 3x60A	DC 4x60A	
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x80 A		
Max. discharge current:	DC 2x80 A		
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 43.3A	AC 57.7A	AC 72.2A
Max. (Rated) apparent output power	30000 VA	40000 VA	50000 VA
Power factor range	-0.8, ...,1, ..., +0.8		



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Model	S6-EH3P60K-H(21A)	S6-EH3P29.9K-H-ND(21A)	S6-EH3P30K-H-ND(21A)
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 4x42A	DC 3x42A	
Isc PV (absolute maximum)	DC 4x60A	DC 3x60A	
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x84 A	DC 2x80 A	
Max. discharge current:	DC 2x84 A	DC 2x80 A	
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 86.6A	AC 43.2A	AC 43.3A
Max. (Rated) apparent output power	60000 VA	29900 VA	30000 VA
Power factor range	-0.8, ...,1, ..., +0.8		

Model	S6-EH3P40K-H-ND(21A)	S6-EH3P50K-H-ND(21A)	S6-EH3P60K-H-ND(21A)
1) PV input			
Max. input voltage	DC 1000 V		
MPPT voltage range	DC 150, ..., 850 V		
Max. input current	DC 4x42A		
Isc PV (absolute maximum)	DC 4x60A		
2) Battery input			
Battery type	Li-ion		
Battery voltage range	DC 150, ..., 800 V		
Max. charge current:	DC 2x80 A		DC 2x84 A
Max. discharge current:	DC 2x80 A		DC 2x84 A
3) AC-output (Grid side)			
Rated output voltage:	3/N/PE AC 230/400 V		
Rated output frequency:	50 Hz		
Max. (Rated) output current:	AC 57.7A	AC 72.2A	AC 86.6A
Max. (Rated) apparent output power	40000 VA	50000 VA	60000 VA
Power factor range	-0.8, ...,1, ..., +0.8		