



Product Service

Compliance Document

No. D 086470 0260 Rev. 01

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

No.57 Jintong Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

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

Model(s): S6-EH3P30K-H, S6-EH3P37.5K-H, S6-EH3P40K-H,
S6-EH3P50K-H, S6-EH3P30K-H-ND, S6-EH3P40K-H-ND,
S6-EH3P50K-H-ND, S6-EH3P30K-H(21A), S6-EH3P37.5K-H(21A),
S6-EH3P40K-H(21A), S6-EH3P50K-H(21A), S6-EH3P60K-H(21A),
S6-EH3P30K-H-ND(21A), S6-EH3P40K-H-ND(21A),
S6-EH3P60K-H-ND(21A), S6-EH3P35K-H-LV-ND(21A),
S6-EH3P35K-H-LV(21A), S6-EH3P50K-H-ND(21A),
S6-EH3P29.9K-H(21A), S6-EH3P29.9K-H-ND(21A),
S6-EH3P30K-H-LV-ND(21A), S6-EH3P30K-H-LV(21A)

Parameters: See next pages

Tested according to: IEC 63027:2023

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

Test report no.: 704092514284-01

Date, 2025-10-23

(Kai Zhao)



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Models	S6-EH3P30K-H, S6-EH3P30K-H-ND	S6-EH3P30K-H(21A), S6-EH3P30K-H-ND(21A)	S6-EH3P35K-H-LV-ND(21A), S6-EH3P35K-H-LV(21A)
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 850 Vd.c.		
Max. input current	3x40 Ad.c.	3x42 Ad.c.	3x42 Ad.c.
Isc PV (absolute maximum)	3x60 Ad.c.	3x60 Ad.c.	3x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	150, ..., 800 Vd.c.		
Max. charge current	2x70 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
Max. discharge current	2x70 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)			
Max.(rated) output power	30000 W	30000 W	35000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Nominal frequency	50/60 Hz		
Max.(rated) output current	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	45.6 Aa.c. @ 220/380 Va.c. 43.3 Aa.c. @ 230/400 Va.c.	91.8 Aa.c.@ 127/220 Va.c. 87.8 Aa.c.@ 133/230 Va.c.
AC output (Grid side)			
Max.(rated) apparent output power	30000 VA	30000 VA	35000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Nominal frequency	50/60 Hz		
Max.(rated) output current	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	91.8 Aa.c.@ 127/220 Va.c. 87.8 Aa.c.@ 133/230 Va.c.
AC input (for Grid port and Gen port)			
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Grid max.(rated) continuous current	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.	152 Aa.c.@ 127/220 Va.c. 152 Aa.c.@ 133/230 Va.c.
Gen max.(rated) continuous current	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	91.8 Aa.c.@ 127/220 Va.c. 87.8 Aa.c.@ 133/230 Va.c.
Nominal frequency	50/60 Hz		
General parameters			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-25°C, ..., +60 °C		
AFCI type (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-EH3P37.5K-H		S6-EH3P40K-H, S6-EH3P40K-H-ND	S6-EH3P50K-H, S6-EH3P50K-H-ND
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 850 Vd.c.			
Max. input current	4x40 Ad.c.	4x40 Ad.c.	4x40 Ad.c.	
Isc PV (absolute maximum)	4x60 Ad.c.	4x60 Ad.c.	4x60 Ad.c.	
Battery input				
Battery type	Li-ion			
Battery voltage range	150, ..., 800 Vd.c.			
Max. charge current	2x70 Ad.c.	2x70 Ad.c.	2x70 Ad.c.	
Max. discharge current	2x70 Ad.c.	2x70 Ad.c.	2x70 Ad.c.	
AC output (Back-up)				
Max.(rated) output power	37500 W	40000 W	50000 W	
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	
Nominal frequency	50/60 Hz			
Max.(rated) output current	57.0 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.	
AC output (Grid side)				
Max.(rated) apparent output power	37500 VA	40000 VA	50000 VA	
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	
Nominal frequency	50/60 Hz			
Max.(rated) output current	57.0 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.	
AC input (for Grid port and Gen port)				
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	
Grid max.(rated) continuous current	114.0 Aa.c.@ 220/380 Va.c. 108.2 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.4 Aa.c.@ 230/400 Va.c.	152.0 Aa.c.@ 220/380 Va.c. 144.4 Aa.c.@ 230/400 Va.c.	
Gen max.(rated) continuous current	57.0 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76.0 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.	
Nominal frequency	50/60 Hz			
General				
Power factor range	-0.8, ..., 1, ..., +0.8			
Protective class	I			
Ingress protection	IP66			
Operating temperature range	-25°C, ..., +60 °C			
AFCI type (PV to AC)	F-I-AFPE-1-4-2	F-I-AFPE-1-4-2	F-I-AFPE-1-4-2	



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Models	S6-EH3P37.5K-H(21A)	S6-EH3P40K-H-ND(21A), S6-EH3P40K-H(21A)	S6-EH3P50K-H-ND(21A), S6-EH3P50K-H(21A)
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 850 Vd.c.		
Max. input current	4x42 Ad.c.	4x42 Ad.c.	4x42 Ad.c.
Isc PV (absolute maximum)	4x60 Ad.c.	4x60 Ad.c.	4x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	150, ..., 800 Vd.c.		
Max. charge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
Max. discharge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)			
Max.(rated) output power	37500 W	40000 W	50000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal frequency	60 Hz	50/60 Hz	50/60 Hz
Max.(rated) output current	57.0 Aa.c. @ 220/380 Va.c. 54.1 Aa.c. @ 230/400 Va.c.	60.8 Aa.c. @ 220/380 Va.c. 57.7 Aa.c. @ 230/400 Va.c.	76.0 Aa.c. @ 220/380 Va.c. 72.2 Aa.c. @ 230/400 Va.c.
AC output (Grid side)			
Max.(rated) apparent output power	37500 VA	40000 VA	50000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal frequency	60 Hz	50/60 Hz	50/60 Hz
Max.(rated) output current	57 Aa.c. @ 220/380 Va.c. 54.1 Aa.c. @ 230/400 Va.c.	60.8 Aa.c. @ 220/380 Va.c. 57.7 Aa.c. @ 230/400 Va.c.	76.0 Aa.c. @ 220/380 Va.c. 72.2 Aa.c. @ 230/400 Va.c.
AC input (for Grid port and Gen port)			
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	114 Aa.c.@ 220/380 Va.c. 108.2 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.4 Aa.c.@ 230/400 Va.c.	152 Aa.c.@ 220/380 Va.c. 144.4 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	57 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	76 Aa.c.@ 220/380 Va.c. 72.2 Aa.c.@ 230/400 Va.c.
Nominal frequency	60 Hz	50/60 Hz	50/60 Hz
General			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-25°C, ..., +60 °C		
AFCI type (PV to AC)	F-I-AFPE-1-4-2	F-I-AFPE-1-4-2	F-I-AFPE-1-4-2



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Models	S6-EH3P60K-H-ND(21A), S6-EH3P60K-H(21A)	S6-EH3P29.9K-H-ND(21A), S6-EH3P29.9K-H(21A)	S6-EH3P30K-H-LV-ND(21A), S6-EH3P30K-H-LV(21A)
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 850 Vd.c.		
Max. input current	4x42 Ad.c.	3x42 Ad.c.	3x42 Ad.c.
Isc PV (absolute maximum)	4x60 Ad.c.	3x60 Ad.c.	3x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	150, ..., 800 Vd.c.		
Max. charge current	2x84 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
Max. discharge current	2x84 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)			
Max.(rated) output power	60000 W	29900 W	30000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Nominal frequency	50/60 Hz		
Max.(rated) output current	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 Va.c.
AC output (Grid side)			
Max.(rated) apparent output power	60000 VA	29900 VA	30000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Nominal frequency	50/60 Hz		
Max.(rated) output current	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 Va.c.
AC input (for Grid port and Gen port)			
Nominal voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.
Grid max.(rated) continuous current	152 Aa.c.@ 220/380 Va.c. 152 Aa.c.@ 220/380 Va.c.	90.8 Aa.c.@ 220/380 Va.c. 86.4 Aa.c.@ 230/400 Va.c.	152 Aa.c.@ 127/220 Va.c. 152 Aa.c.@ 133/230 Va.c.
Gen max.(rated) continuous current	91.2 Aa.c.@ 220/380 Va.c. 86.6 Aa.c.@ 230/400 Va.c.	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 Va.c.
Nominal frequency	50/60 Hz		
General			
Power factor range	-0.8, ..., 1, ..., +0.8		
Protective class	I		
Ingress protection	IP66		
Operating temperature range	-25°C, ..., +60 °C		
AFCI type (PV to AC)	F-I-AFPE-1-4-2	F-I-AFPE-1-4/2-2	F-I-AFPE-1-4/2-2