



Product Service

Compliance Document

No. D 086470 0202 Rev. 03

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

No.57 Jintong Road
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 PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter

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Test report no.: 4840924303603

Date, 2025-09-01

(Ming Gu)



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Model(s):

S6-EH3P29.9K-H, S6-EH3P30K-H,
 S6-EH3P37.5K-H, S6-EH3P40K-H,
 S6-EH3P50K-H, S6-EH3P30K-H-LV,
 S6-EH3P30K-H-ND, S6-EH3P40K-H-ND,
 S6-EH3P50K-H-ND, S6-EH3P30K-H-LV-ND,
 S6-EH3P15K-H-LV-ND, S6-EH3P20K-H-LV-ND,
 S6-EH3P25K-H-LV-ND, S6-EH3P29.9K-H-AU,
 S6-EH3P30K-H-AU, S6-EH3P40K-H-AU,
 S6-EH3P50K-H-AU, S6-EH3P29.9K-H-ND,
 S6-EH3P49K-H-ND, S6-EH3P30K-H-ND-AU,
 S6-EH3P40K-H-ND-AU, S6-EH3P50K-H-ND-AU,
 S6-EH3P15K-H-LV-ND(21A), S6-EH3P20K-H-LV-ND(21A),
 S6-EH3P25K-H-LV-ND(21A), S6-EH3P29.9K-H-ND(21A),
 S6-EH3P29.9K-H(21A), S6-EH3P30K-H-LV-ND(21A),
 S6-EH3P30K-H-ND(21A), S6-EH3P30K-H(21A),
 S6-EH3P30K-H-LV(21A), S6-EH3P35K-H-LV-ND(21A),
 S6-EH3P35K-H-LV(21A), S6-EH3P37.5K-H(21A),
 S6-EH3P40K-H-ND(21A), S6-EH3P40K-H(21A),
 S6-EH3P49K-H-ND(21A), S6-EH3P49K-H(21A),
 S6-EH3P50K-H-ND(21A), S6-EH3P50K-H(21A),
 S6-EH3P60K-H-ND(21A), S6-EH3P60K-H(21A)
 S6-EH3P29.9K-H-AU(21A), S6-EH3P29.9K-H-ND-AU(21A),
 S6-EH3P30K-H-AU(21A), S6-EH3P30K-H-ND-AU(21A),
 S6-EH3P40K-H-AU(21A), S6-EH3P40K-H-ND-AU(21A),
 S6-EH3P50K-H-AU(21A), S6-EH3P50K-H-ND-AU(21A),
 S6-EH3P60K-H-AU(21A), S6-EH3P60K-H-ND-AU(21A)



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Parameters:

Model	S6-EH3P29.9K-H	S6-EH3P30K-H	S6-EH3P30K-H-LV
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	3x40 A		
Isc PV (absolute maximum) d.c.	3x60 A		
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800V		
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)			
Max. /Rated output power a.c.	29900 W	30000 W	30000 W
Nominal output voltage a.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.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 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 a.c.	29900 VA	30000 VA	30000 VA
Nominal output voltage a.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.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@ 230/400 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 Va.c.
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60°C		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Grid max.(rated) continuous current	90.8 Aa.c.@ 220/380 Va.c. 86.4 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	45.4 Aa.c.@ 220/380 Va.c. 43.2 Aa.c.@	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@



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	230/400 Va.c.		133/230 Va.c.
Nominal Frequency	50/60Hz		



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Model	S6-EH3P37.5K-H		S6-EH3P40K-H	S6-EH3P50K-H
PV-Input				
Max. input voltage d.c.	1000 V			
Mppt voltage range d.c.	150-850 V			
Max. input current d.c.	4x40 A			
Isc PV (absolute maximum) d.c.	4x60 A			
Battery				
Battery type	Li-ion			
Battery Voltage range d.c.	150-800V			
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A		2X70A /2X70A
AC-Output (Back-up)				
Max. /Rated output power a.c.	37500 W	40000 W		50000 W
Nominal output voltage a.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.		3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz		50/60Hz
Max. /Rated output current a.c.	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 a.c.	37500 VA	40000 VA		50000 VA
Nominal output voltage a.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.		3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz		50/60Hz
Max. /Rated output current a.c.	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.
Power factor range	-0.8...1...+ 0.8			
Protective class	I			
Ingress protection	IP66			
Ambient temperature	-40...+60°C			
AC-Input (For grid port and Gen port)				
Nominal voltage a.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	50/60Hz			



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Model	S6-EH3P30K-H-ND	S6-EH3P40K-H-ND	S6-EH3P50K-H-ND
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	3x40 A	4x40 A	
Isc PV (absolute maximum) d.c.	3x60 A	4x60 A	
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800V		
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)			
Max. /Rated output power a.c.	30000 W	40000 W	50000 W
Nominal output voltage a.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.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 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 a.c.	30000 VA	40000 VA	50000 VA
Nominal output voltage a.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.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 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.
Power factor range	-0.8...1...+ 0.8		
Protective class	I		
Ingress protection	IP66		
Ambient temperature	-40...+60°C		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.		
Grid max.(rated) continuous current	91.2 Aa.c.@ 220/380 Va.c. 86.6 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	45.6 Aa.c.@ 220/380 Va.c. 43.3 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	50/60Hz		



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Model	S6-EH3P15K - H-LV-ND	S6-EH3P20K- H-LV-ND	S6-EH3P25K- H-LV-ND	S6-EH3P30K- H-LV-ND
PV-Input				
Max. input voltage d.c.	1000 V			
Mppt voltage range d.c.	150-850 V			
Max. input current d.c.	3x40 A			
Isc PV (absolute maximum) d.c.	3x60 A			
Battery				
Battery type	Li-ion			
Battery Voltage range d.c.	150-800V			
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)				
Max. /Rated output power a.c.	15000 W	20000 W	25000 W	30000 W
Nominal output voltage a.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 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 a.c.	15000 VA	20000 VA	25000 VA	30000 VA
Nominal output voltage a.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 Va.c.	78.7 Aa.c.@ 127/220 Va.c., 75.3 Aa.c.@ 133/230 Va.c.
Power factor range	-0.8...1...+ 0.8			
Protective class	I			
Ingress protection	IP66			
Ambient temperature	-40...+60°C			



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AC-Input (For grid port and Gen port)				
Nominal voltage a.c.	3/N/PE 127/220 Va.c., 3/N/PE 133/230 Va.c.			
Grid max.(rated) continuous current	78.8 Aa.c.@ 127/220 Va.c., 75.4 Aa.c.@ 133/230 Va.c.	105 Aa.c.@ 127/220 Va.c., 100.4 Aa.c.@ 133/230 Va.c.	131.2 Aa.c.@ 127/220 Va.c., 125.6 Aa.c.@ 133/230 Va.c.	152 Aa.c.@ 127/220 Va.c., 152 Aa.c.@ 133/230 Va.c.
Gen max.(rated) continuous current	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 Va.c.	78.7 Aa.c.@ 127/220 Va.c., 75.3 Aa.c.@ 133/230 Va.c..
Nominal Frequency	50/60Hz			



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Model	S6- EH3P29.9K- H-AU	S6- EH3P30K- H-AU	S6- EH3P40K- H-AU	S6-EH3P50K- H-AU
PV-Input				
Max. input voltage d.c.	1000 V			
Mppt voltage range d.c.	150-850 V			
Max. input current d.c.	3x40 A		4x40 A	
Isc PV (absolute maximum) d.c.	3x45 A		4x45 A	
Battery				
Battery type	Li-ion			
Battery Voltage range d.c.	150-800V			
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)				
Max. /Rated output power a.c.	29900 W	30000 W	40000 W	50000 W
Nominal output voltage a.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	43.2 Aa.c.@ 230/400 Va.c.	43.3 Aa.c.@ 230/400 Va.c.	57.7 Aa.c.@ 230/400 Va.c.	72.2 Aa.c.@ 230/400 Va.c.
AC-Output (Grid side)				
Max. /Rated apparent output power a.c.	29900 VA	30000 VA	40000 VA	50000 VA
Nominal output voltage a.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.
Nominal Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. /Rated output current a.c.	43.2 Aa.c.@ @ 230/400 Va.c.	43.3Aa.c.@ @ 230/400 Va.c.	57.7 Aa.c.@ @ 230/400 Va.c.	72.2 Aa.c.@ @ 230/400 Va.c.
Power factor range	-0.8...1...+ 0.8			
Protective class	I			
Ingress protection	IP66			
Ambient temperature	-40...+60°C			
AC-Input (For grid port and Gen port)				
Nominal voltage a.c.	3/N/PE 230/400 Va.c.			
Grid max.(rated) continuous current	86.4 Aa.c.@ 230/400 Va.c.	86.6Aa.c.@ 230/400 Va.c.	115.4Aa.c. @ 230/400 Va.c..	144.4 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	43.2 Aa.c.@ 230/400 Va.c.	43.3 Aa.c.@ 230/400 Va.c.	57.7 Aa.c.@ 230/400 Va.c.	72.2 Aa.c.@ 230/400 Va.c.
Nominal Frequency	50/60Hz			



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Model	S6-EH3P49K-H-ND	S6-EH3P29.9K-H-ND
PV-Input		
Max. input voltage d.c.	1000 V	
Mppt voltage range d.c.	150-850 V	
Max. input current d.c.	4x40 A	3x40 A
Isc PV (absolute maximum) d.c.	4x60 A	3x60 A
Battery		
Battery type	Li-ion	
Battery Voltage range d.c.	150-800V	
Max. Charge/discharge current d.c.	2X70A / 2X70A	
AC-Output (Back-up)		
Max. /Rated output power a.c.	49000W	29900W
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Nominal Frequency	50/60Hz	
Max. /Rated output current a.c.	74.5 A / 70.7 A	45.4 A / 43.2 A
AC-Output (Grid side)		
Max. /Rated apparent output power a.c.	49000 VA	29900 VA
Nominal output voltage a.c.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Nominal Frequency	50/60Hz	
Max. /Rated output current a.c.	74.5 A / 70.7 A	45.4 A / 43.2 A
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.	3/N/PE 220/380 V 3/N/PE 230/400 V	
Grid max.(rated) continuous current	149 A / 141.4 A	90.8 A / 86.4 A
Gen max.(rated) continuous current	74.5 A / 70.7 A	45.4 A / 43.2 A
Nominal Frequency	50/60Hz	



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Model	S6-EH3P30K-H-ND-AU	S6-EH3P40K-H-ND-AU	S6-EH3P50K-H-ND-AU
PV-Input			
Max. input voltage d.c.	1000 V		
Mppt voltage range d.c.	150-850 V		
Max. input current d.c.	3x40 A	4x40 A	4x40 A
Isc PV (absolute maximum) d.c.	3x45 A	4x45 A	4x45 A
Battery			
Battery type	Li-ion		
Battery Voltage range d.c.	150-800V		
Max. Charge/discharge current d.c.	2X70A /2X70A	2X70A /2X70A	2X70A /2X70A
AC-Output (Back-up)			
Max. /Rated output power a.c.	30000 W	40000 W	50000 W
Nominal output voltage a.c.	3/N/PE 230/400 V	3/N/PE 230/400 V	3/N/PE 230/400 V
Nominal Frequency	50Hz	50Hz	50Hz
Max. /Rated output current a.c.	43.3 A	57.7 A	72.2 A
AC-Output (Grid side)			
Max. /Rated apparent output power a.c.	30000 VA	40000 VA	50000 VA
Nominal output voltage a.c.	3/N/PE 230/400 V	3/N/PE 230/400 V	3/N/PE 230/400 V
Nominal Frequency	50Hz	50Hz	50Hz
Max. /Rated output current a.c.	43.3 A	57.7 A	72.2 A
Power factor range	-0.8...1...+ 0.8		
Protective class/Over voltage category	I/II(PV&BAT), III (GRID, Back up&Gen)		
Ingress protection	IP66		
Ambient temperature	-25...+60°C		
AC-Input (For grid port and Gen port)			
Nominal voltage a.c.	3/N/PE 230/400 V		
Grid max.(rated) continuous current	86.6 A	115.4 A	144.4 A
Gen max.(rated) continuous current	43.3 A	57.7 A	72.2 A
Nominal Frequency	50Hz		



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Model	S6-EH3P15K-H-LV-ND(21A)	S6-EH3P20K-H-LV-ND(21A)	S6-EH3P25K-H-LV-ND(21A)	S6-EH3P29.9K-H-ND(21A), S6-EH3P29.9K-H(21A)
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 850 Vd.c.			
Max. input current	3x42 Ad.c.	3x42 Ad.c.	3x42 Ad.c.	3x42 Ad.c.
Isc PV (absolute maximum)	3x60 Ad.c.	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	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
Max. discharge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)				
Max.(rated) output power	15000 W	20000 W	25000 W	29900 W
Nominal output voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 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	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 Va.c.	45.4 Aa.c.@ 220/380 Va.c., 43.2 Aa.c.@ 220/380 Va.c.
AC output (Grid side)				
Max.(rated) apparent output power	15000 VA	20000 VA	25000 VA	29900 VA
Nominal output voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 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	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 Va.c.	45.4 Aa.c.@ 220/380 Va.c., 43.2 Aa.c.@ 220/380 Va.c..
AC input (for Grid port and Gen port)				
Nominal voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 Va.c.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	78.8 Aa.c.@ 127/220 Va.c., 75.4 Aa.c.@ 133/230 Va.c.	105 Aa.c.@ 127/220 Va.c., 100.4 Aa.c.@ 133/230 Va.c.	131.2 Aa.c.@ 127/220 Va.c., 125.6 Aa.c.@ 133/230 Va.c.	90.8 Aa.c.@ 220/380 Va.c., 86.4 Aa.c.@ 220/380 Va.c.
Gen max.(rated) continuous current	39.4 Aa.c.@ 127/220 Va.c., 37.7 Aa.c.@ 133/230 Va.c.	52.5 Aa.c.@ 127/220 Va.c., 50.2 Aa.c.@ 133/230 Va.c.	65.6 Aa.c.@ 127/220 Va.c., 62.8 Aa.c.@ 133/230 Va.c.	45.4 Aa.c.@ 220/380 Va.c., 43.2 Aa.c.@ 220/380 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			



Product Service

Compliance Document

No. D 086470 0202 Rev. 03

Model	S6-EH3P30K-H-LV-ND(21A), S6-EH3P30K-H-LV(21A)	S6-EH3P30K-H-ND(21A), S6-EH3P30K-H(21A)	S6-EH3P35K-H-LV-ND(21A), S6-EH3P35K-H-LV(21A)	S6-EH3P37.5K-H(21A)
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 850 Vd.c.			
Max. input current	3x42 Ad.c.	3x42 Ad.c.	3x42 Ad.c.	4x42 Ad.c.
Isc PV (absolute maximum)	3x60 Ad.c.	3x60 Ad.c.	3x60 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.	2x80 Ad.c.
Max. discharge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)				
Max.(rated) output power	30000 W	30000 W	35000 W	37500 W
Nominal output voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 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.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz			
Max.(rated) output current	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 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.	57 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.
AC output (Grid side)				
Max.(rated) apparent output power	30000 VA	30000 VA	35000 VA	37500 VA
Nominal output voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 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.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz			
Max.(rated) output current	78.7 Aa.c.@ 127/220 Va.c. 75.3 Aa.c.@ 133/230 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.	57 Aa.c.@ 220/380 Va.c. 54.1 Aa.c.@ 230/400 Va.c.
AC input (for Grid port and Gen port)				
Nominal voltage	3/(N)/PE 127/220 Va.c., 3/(N)/PE 133/230 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.	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	152 Aa.c.@ 127/220 Va.c. 152 Aa.c.@ 133/230 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.	114 Aa.c.@ 220/380 Va.c. 108.2 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	78.7 Aa.c.@ 220 Va.c. 75.3 Aa.c.@ 230 Va.c.	45.6 Aa.c.@ 220/380 Va.c. 43.3 Aa.c.@ 230/400 Va.c.	91.8 Aa.c.@ 220 Va.c. 87.8 Aa.c.@ 230 Va.c.	57 Aa.c.@ 220/380 Va.c. 54.1 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			



Product Service

Compliance Document

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Model	S6-EH3P40K-H-ND(21A), S6-EH3P40K-H(21A)	S6-EH3P49K-H-ND(21A), S6-EH3P49K-H(21A)	S6-EH3P50K-H-ND(21A), S6-EH3P50K-H(21A)	S6-EH3P60K-H-ND(21A), S6-EH3P60K-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.	4x42 Ad.c.
Isc PV (absolute maximum)	4x60 Ad.c.	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.	2x84 Ad.c.
Max. discharge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.	2x84 Ad.c.
AC output (Back-up)				
Max.(rated) output power	40000 W	49000 W	50000 W	60000 W
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.			
Nominal frequency	50 / 60 Hz			
Max.(rated) output current	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	74.5 Aa.c.@ 220/380 Va.c., 70.7 Aa.c.@ 230/400 Va.c.	76 Aa.c.@ 220/380 Va.c., 72.2 Aa.c.@ 230/400 Va.c.	91.2 Aa.c.@ 220/380 Va.c., 86.6 Aa.c.@ 230/400 Va.c.
AC output (Grid side)				
Max.(rated) apparent output power	40000 VA	49000 VA	50000 VA	60000 VA
Nominal output voltage	3/N/PE 220/380 Va.c., 3/N/PE 230/400 Va.c.			
Nominal frequency	50 / 60 Hz			
Max.(rated) output current	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	74.5 Aa.c.@ 220/380 Va.c., 70.7 Aa.c.@ 230/400 Va.c.	76 Aa.c.@ 220/380 Va.c., 72.2 Aa.c.@ 230/400 Va.c.	91.2 Aa.c.@ 220/380 Va.c., 86.6 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.			
Grid max.(rated) continuous current	121.6 Aa.c.@ 220/380 Va.c. 115.4 Aa.c.@ 230/400 Va.c.	149 Aa.c.@ 220/380 Va.c 141.4 Aa.c.@ 230/400 Va.c.	152 Aa.c.@ 220/380 Va.c., 144.4 Aa.c.@ 230/400 Va.c.	152 Aa.c.@ 220/380 Va.c., 152 Aa.c.@ 220/380 Va.c.
Gen max.(rated) continuous current	60.8 Aa.c.@ 220/380 Va.c. 57.7 Aa.c.@ 230/400 Va.c.	74.5 Aa.c.@ 220/380 Va.c., 70.7 Aa.c.@ 230/400 Va.c.	76 Aa.c.@ 220/380 Va.c., 72.2 Aa.c.@ 230/400 Va.c.	91.2 Aa.c.@ 220/380 Va.c., 86.6 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			



Product Service

Compliance Document

No. D 086470 0202 Rev. 03

Model	S6-EH3P29.9K-H-AU(21A) S6-EH3P29.9K-H-ND-AU(21A)	S6-EH3P30K-H-AU(21A) S6-EH3P30K-H-ND-AU(21A)	S6-EH3P40K-H-AU(21A) S6-EH3P40K-H-ND-AU(21A)	S6-EH3P50K-H-AU(21A) S6-EH3P50K-H-ND-AU(21A)
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 850 Vd.c.			
Max. input current	3x42 Ad.c.	3x42 Ad.c.	4x42 Ad.c.	4x42 Ad.c.
Isc PV (absolute maximum)	3x45 Ad.c.	3x45 Ad.c.	4x45 Ad.c.	4x45 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.	2x80 Ad.c.
Max. discharge current	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.	2x80 Ad.c.
AC output (Back-up)				
Max.(rated) output power	29900 W	30000 W	40000 W	50000 W
Nominal output voltage	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.
Nominal frequency	50 Hz			
Max.(rated) output current	43.2 Aa.c.@ 230/400 Va.c.	43.3 Aa.c.@ 230/400 Va.c.	57.7 Aa.c.@ 230/400 Va.c.	72.2 Aa.c.@ 230/400 Va.c.
AC output (Grid side)				
Max.(rated) apparent output power	29900 VA	30000 VA	40000 VA	50000 VA
Nominal output voltage	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.
Nominal frequency	50 Hz			
Max.(rated) output current	43.2 Aa.c.@ 230/400 Va.c.	43.3 Aa.c.@ 230/400 Va.c.	57.7 Aa.c.@ 230/400 Va.c.	72.2 Aa.c.@ 230/400 Va.c.
AC input (for Grid port and Gen port)				
Nominal voltage	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.	3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	86.4 Aa.c.@ 230/400 Va.c.	86.6 Aa.c.@ 230/400 Va.c.	115.4 Aa.c.@ 230/400 Va.c.	144.4 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	43.2 Aa.c.@ 230/400 Va.c.	43.3 Aa.c.@ 230/400 Va.c.	57.7 Aa.c.@ 230/400 Va.c.	72.2 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 Hz			
General				
Power factor range	-0.8, ..., 1, ..., +0.8			
Protective class	I			
Ingress protection	IP66			
Operating temperature range	-25°C, ..., +60 °C			



Product Service

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Model	S6-EH3P60K-H-AU(21A) S6-EH3P60K-H-ND-AU(21A)
PV input	
Max. input voltage	1000 Vd.c.
MPPT voltage range	150, ..., 850 Vd.c.
Max. input current	4x42 Ad.c.
Isc PV (absolute maximum)	4x45 Ad.c.
Battery input	
Battery type	Li-ion
Battery voltage range	150, ..., 800 Vd.c.
Max. charge current	2x84 Ad.c.
Max. discharge current	2x84 Ad.c.
AC output (Back-up)	
Max.(rated) output power	60000 W
Nominal output voltage	3/N/PE 230/400 Va.c.
Nominal frequency	50 Hz
Max.(rated) output current	86.6 Aa.c.@ 230/400 Va.c.
AC output (Grid side)	
Max.(rated) apparent output power	60000 VA
Nominal output voltage	3/N/PE 230/400 Va.c.
Nominal frequency	50 Hz
Max.(rated) output current	86.6 Aa.c.@ 230/400 Va.c.
AC input (for Grid port and Gen port)	
Nominal voltage	3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	152 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	86.6 Aa.c.@ 230/400 Va.c.
Nominal frequency	50Hz
General	
Power factor range	-0.8, ..., 1, ..., +0.8
Protective class	I
Ingress protection	IP66
Operating temperature range	-25°C, ..., +60 °C



Product Service

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**Tested
according to:**

IEC 61000-6-2:2016
 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