



Compliance Document

No. D 086470 0259 Rev. 03

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

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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
Hybrid Inverter

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(Ming Gu)

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Model(s):

S6-EH3P60K10-LV-ND-H, S6-EH3P60K10-LV-YD-H,
S6-EH3P75K10-LV-ND-H, S6-EH3P75K10-LV-YD-H,
S6-EH3P75K10-NV-YD-H, S6-EH3P80K10-NV-ND-H,
S6-EH3P80K10-NV-YD-H, S6-EH3P99.9K10-NV-ND-H,
S6-EH3P99.9K10-NV-YD-H, S6-EH3P100K10-NV-ND-H,
S6-EH3P100K10-NV-YD-H, S6-EH3P125K10-NV-ND-H,
S6-EH3P125K10-NV-YD-H, S6-EH3P80K10-NV-YD-H-AU,
S6-EH3P100K10-NV-YD-H-AU,
S6-EH3P125K10-NV-YD-H-AU,
S6-EH3P75K10-NV-YD-H-PRO

Parameters:

Models	S6-EH3P60K10-LV-ND-H	S6-EH3P60K10-LV-YD-H	S6-EH3P75K10-LV-ND-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)			
Max.(rated) output power	60000 VA	60000 VA	75000 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.
Nominal frequency	50 / 60 Hz		
Max.(rated) output current	157.5 Aa.c.@ 127/220 Va.c. 150.6 Aa.c.@ 133/230 Va.c.	157.5 Aa.c.@ 127/220 Va.c. 150.6 Aa.c.@ 133/230 Va.c.	196.8 Aa.c.@ 127/220 Va.c. 188.2 Aa.c.@ 133/230 Va.c.
AC input (for Grid and Gen)			
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.
Grid max.(rated) continuous current	250 Aa.c.@ 127/220 Va.c. 250 Aa.c.@ 133/230 Va.c.	250 Aa.c.@ 127/220 Va.c. 250 Aa.c.@ 133/230 Va.c.	250 Aa.c.@ 127/220 Va.c. 250 Aa.c.@ 133/230 Va.c.
Gen max.(rated)	157.5 Aa.c.@ 127/220 Va.c. 150.6 Aa.c.@ 133/230 Va.c.	157.5 Aa.c.@ 127/220 Va.c. 150.6 Aa.c.@ 133/230 Va.c.	196.8 Aa.c.@ 127/220 Va.c. 188.2 Aa.c.@ 133/230 Va.c.



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continuous current			
Nominal frequency	50 / 60 Hz		
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Models	S6-EH3P75K10-LV-YD-H	S6-EH3P75K10-NV-YD-H	S6-EH3P80K10-NV-ND-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (Grid and Backup)			
Max.(rated) output power	75000 VA	75000 VA	80000 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 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	60 Hz	50 / 60 Hz
Max.(rated) output current	196.8 Aa.c.@ 127/220 Va.c. 188.2 Aa.c.@ 133/230 Va.c.	114.0 Aa.c.@ 220/380 Va.c. 108.3 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)			
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 220/380 Va.c., 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 127/220 Va.c. 250 Aa.c.@ 133/230 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	196.8 Aa.c.@ 127/220 Va.c. 188.2 Aa.c.@ 133/230 Va.c.	114.0 Aa.c.@ 220/380 Va.c. 108.3 Aa.c.@ 230/400 Va.c.	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	60 Hz	50 / 60 Hz
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		



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Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)
Operating temperature range	-25 °C...+60 °C
Inverter topology	Non-isolated

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Model	S6-EH3P80K10- NV-YD-H	S6- EH3P99.9K10- NV-ND-H	S6-EH3P99.9K10- NV-YD-H
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (for Grid and Backup)			
Max.(rated) output power	80000 VA	99900 VA	99900 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	50 / 60 Hz	50 / 60 Hz
Max.(rated) output current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)			
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	250 Aa.c.@ 220 Va.c. 250 Aa.c.@ 230 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 230/400 Va.c.
Gen max.(rated) continuous current	121.6 Aa.c.@ 220/380 Va.c. 115.5 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.	151.8 Aa.c.@ 220/380 Va.c. 144.2 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV & Battery), III(Grid & Backup & Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Model	S6- EH3P100K10- NV-ND-H	S6-EH3P100K10-NV-YD- H	S6- EH3P125K10- NV-ND-H	S6- EH3P125K10- NV-YD-H
PV input				
Max. input voltage	1000 Vd.c.			
MPPT voltage range	150, ..., 950 Vd.c.			
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input				
Battery type	Li-ion			
Battery voltage range	300, ..., 950 Vd.c.			
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (for Grid and Backup)				
Max.(rated) output power	100000 VA	100000 VA	125000 VA	125000 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.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Max.(rated) output current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)				
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.	3/N/PE 220/380 Va.c. 3/N/PE 230/400 Va.c.
Grid max.(rated) continuous current	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.	250 Aa.c.@ 220/380 Va.c. 250 Aa.c.@ 220/380 Va.c.
Gen max.(rated) continuous current	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	151.9 Aa.c.@ 220/380 Va.c. 144.3 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.	189.9 Aa.c.@ 220/380 Va.c. 180.4 Aa.c.@ 230/400 Va.c.
Nominal frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
General parameters				
Power factor range	-0.8...1...+0.8			
Protective class	I			
Ingress protection	IP66			
Overvoltage category	II(PV & Battery), III(Grid & Backup & Gen)			
Operating temperature range	-25 °C...+60 °C			
Inverter topology	Non-isolated			

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Model	S6-EH3P80K10-NV-YD-H-AU	S6-EH3P100K10-NV-YD-H-AU	S6-EH3P125K10-NV-YD-H-AU
PV input			
Max. input voltage	1000 Vd.c.		
MPPT voltage range	150, ..., 950 Vd.c.		
Max. input current	10x42 Ad.c.	10x42 Ad.c.	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.	10x60 Ad.c.	10x60 Ad.c.
Battery input			
Battery type	Li-ion		
Battery voltage range	300, ..., 950 Vd.c.		
Max. charge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.	2x100 Ad.c.	2x100 Ad.c.
AC output (for Grid and Backup)			
Max.(rated) output power	80000 VA	100000 VA	125000 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.
Nominal frequency	50Hz	50Hz	50Hz
Max.(rated) output current	115.5 Aa.c.@ 230/400 Va.c.	144.3 Aa.c.@ 230/400 Va.c.	180.4 Aa.c.@ 230/400 Va.c.
AC input (for Grid and Gen)			
Nominal voltage	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	250A a.c.@230/400 Va.c.	250A a.c.@230/400 Va.c.	250A a.c.@230/400 Va.c.
Gen max.(rated) continuous current	115.5 Aa.c.@ 230/400 Va.c.	144.3 Aa.c.@ 230/400 Va.c.	180.4 Aa.c.@ 230/400 Va.c.
Nominal frequency	50Hz	50Hz	50Hz
General parameters			
Power factor range	-0.8...1...+0.8		
Protective class	I		
Ingress protection	IP66		
Overvoltage category	II(PV & Battery), III(Grid & Backup & Gen)		
Operating temperature range	-25 °C...+60 °C		
Inverter topology	Non-isolated		

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Model	S6-EH3P75K10-NV-YD-H-PRO
PV input	
Max. input voltage	1000 Vd.c.
MPPT voltage range	150, ..., 950 Vd.c.
Max. input current	10x42 Ad.c.
Isc PV (absolute maximum)	10x60 Ad.c.
Battery input	
Battery type	Li-ion
Battery voltage range	300, ..., 950 Vd.c.
Max. charge current	2x100 Ad.c.
Max. discharge current	2x100 Ad.c.
AC output (Grid and Backup)	
Grid max.(rated) apparent output power	75000 VA
Backup max.(rated) apparent output power	125000 VA
Nominal output voltage	3/N/PE 220/380 Va.c.
Nominal frequency	60 Hz
Grid max.(rated) output current	114.0 Aa.c.
Backup max.(rated) output current	189.9 Aa.c.
AC input (for Grid and Gen)	
Nominal voltage	3/N/PE 220/380 Va.c.
Grid max.(rated) continuous current	114.0 Aa.c.
Gen max.(rated) continuous current	189.9 Aa.c.
Nominal frequency	60 Hz
General parameters	
Power factor range	-0.8...1...+0.8
Protective class	I
Ingress protection	IP66
Overvoltage category	II(PV&BAT), III(Grid, Backup, Gen)
Operating temperature range	-25 °C...+60 °C
Inverter topology	Non-isolated



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**Tested
according to:**

IEC 61000-6-2:2016
 IEC 61000-6-4:2018
 CISPR 11:2015/A2:2019
 IEC 62920:2017/A1:2021
 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 TS 61000-3-4:1998
 IEC TS 61000-3-5:2009