



Product Service

Compliance Document

No. D 086470 0239 Rev. 01

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

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PEOPLE'S REPUBLIC OF CHINA

Product: **PV inverter**
Grid-connected PV 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

Test report no.: 4840924377401

Date, 2025-06-25

(Ming Gu)



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Model(s):

S6-GC3P20K04-NV-ND-R, S6-GC3P25K04-NV-ND-R,
S6-GC3P27.6K04-NV-ND-R, S6-GC3P30K04-NV-ND-R,
S6-GC3P33K04-NV-ND-R, S6-GC3P36K04-NV-ND-R,
S6-GC3P40K04-NV-ND-R, S6-GC3P23K03-LV-ND,
S6-GC3P25K04-LV-ND, S6-GC3P30K04-LV-ND,
S6-GC3P36K04-LV-ND, S6-GC3P37.5K04-LV-ND,
S6-GC3P37.5K04-NV-ND, S6-GC3P40K04-NV-ND,
S6-GC3P50K04-HV-ND, S6-GC3P50K04-NV-ND,
S6-GC3P60K05-HV-ND, S6-GC3P60K05-NV-ND

Parameters:

Model	S6-GC3P20K04-NV-ND-R	S6-GC3P25K04-NV-ND-R	S6-GC3P27.6K04-NV-ND-R
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	4X42A	4X42A
Isc PV (absolute maximum) d.c.	4X52.5A	4X52.5A	4X52.5A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	20000W	25000W	27600W
Max. (Rated) AC output active power	20000W	25000W	27600W
Max. (Rated) AC output apparent power	20000VA	25000VA	27600VA
Max. (Rated) continuous output current a.c.	30.3A/29.0A	38.0A/36.1A	40.0A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P30K04-NV-ND-R	S6-GC3P33K04-NV-ND-R	S6-GC3P36K04-NV-ND-R
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	4X42A	4X42A
Isc PV (absolute maximum) d.c.	4X52.5A	4X52.5A	4X52.5A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V	3/N/PE 220/380V 3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	30000W	33000W	36000W
Max. (Rated) AC output active power	30000W	33000W	36000W
Max. (Rated) AC output apparent power	30000VA	33000VA	36000VA
Max. (Rated) continuous output current a.c.	45.5A/43.5A	50.1A/47.6A	54.7A/52.0A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66



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Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P40K04- NV-ND-R	S6-GC3P23K03- LV-ND	S6-GC3P25K04- LV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	3X42A	4X42A
Isc PV (absolute maximum) d.c.	4X52.5A	3X52.5A	4X52.5A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/PE 220V 3/PE 230V	3/PE 220V 3/PE 230V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	40000W	23000W	25000W
Max. (Rated) AC output active power	40000W	23000W	25000W
Max. (Rated) AC output apparent power	40000VA	23000VA	25000VA
Max. (Rated) continuous output current a.c.	60.8A/57.7A	60.4A/57.7A	65.6A/62.8A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P30K04- LV-ND	S6-GC3P36K04- LV-ND	S6-GC3P37.5K04- LV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	4X42A	4X42A
Isc PV (absolute maximum) d.c.	4X52.5A	4X52.5A	4X52.5A
Nominal grid voltage a.c.	3/PE 220V 3/PE 230V	3/PE 220V 3/PE 230V	3/PE 220V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	30000W	36000W	37500W
Max. (Rated) AC output active power	30000W	36000W	37500W
Max. (Rated) AC output apparent power	30000VA	36000VA	37500VA
Max. (Rated) continuous output current a.c.	78.7A/75.3A	94.5A/90.4A	98.4A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P37.5K04- NV-ND	S6-GC3P40K04- NV-ND	S6-GC3P50K04- HV-ND
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Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	4X42A	4X42A
Isc PV (absolute maximum) d.c.	4X52.5A	4X52.5A	4X52.5A
Nominal grid voltage a.c.	3/N/PE 220/380V	3/N/PE 220/380V 3/N/PE 230/400V	3/PE 480V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	37500W	40000W	50000W
Max. (Rated) AC output active power	37500W	40000W	50000W
Max. (Rated) AC output apparent power	37500VA	40000VA	50000VA
Max. (Rated) continuous output current a.c.	57.0A	60.8A/57.7A	60.1A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated

Model	S6-GC3P50K04-NV-ND	S6-GC3P60K05-HV-ND	S6-GC3P60K05-NV-ND
Max. input voltage d.c.	1100V	1100V	1100V
Mppt voltage range d.c.	180-1000V	180-1000V	180-1000V
Max. input current d.c.	4X42A	5X42A	5X42A
Isc PV (absolute maximum) d.c.	4X52.5A	5X52.5A	5X52.5A
Nominal grid voltage a.c.	3/N/PE 220/380V 3/N/PE 230/400V	3/PE 480V	3/N/PE 220/380V 3/N/PE 230/400V
Nominal grid frequency	50/60Hz	50/60Hz	50/60Hz
Nominal output power	50000W	60000W	60000W
Max. (Rated) AC output active power	50000W	60000W	60000W
Max. (Rated) AC output apparent power	50000VA	60000VA	60000VA
Max. (Rated) continuous output current a.c.	76.0A/72.2A	72.2A	91.2A/86.6A
Power factor range	-0.8...1...+ 0.8	-0.8...1...+ 0.8	-0.8...1...+ 0.8
Operating temperature range	-25...+60°C	-25...+60°C	-25...+60°C
Ingress protection	IP66	IP66	IP66
Protective class	I	I	I
Overvoltage category	II(PV) III(MAINS)	II(PV) III(MAINS)	II(PV) III(MAINS)
Inverter topology	Non-isolated	Non-isolated	Non-isolated



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**Tested
according to:**

IEC 61000-6-1:2016
IEC 61000-6-3:2020
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