



Product Service

# Compliance Document

No. D 086470 0222 Rev. 00

**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**  
**Grid-connected PV Inverter****Model(s):** **S6-GC3P25K03-NV-ND, S6-GC3P30K03-NV-ND,  
S6-GC3P33K03-NV-ND, S6-GC3P36K03-NV-ND****Parameters:** See next pages.**Tested according to:** UTE C15-712-1:2013  
DIN VDE 0126-1-1:2013 (with national deviation of France: DIN  
VDE 0126-1-1 VFR 2019)

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.:** 704092403752-00**Date,** 2024-10-29

( Zhengdong Ma )



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Model Name	S6-GC3P25K03-NV-ND	S6-GC3P30K03-NV-ND
PV Input		
Absolute max. voltage	1100V	1100V
MPPT voltage range	180-1000V	180-1000V
Max.input current	3x40A	3x40A
Isc PV	3x50A	3x50A
AC Output		
Rated voltage	3/N/PE AC 230/400 V	3/N/PE AC 230/400 V
Rated frequency	50Hz	50Hz
Max. (Rated) output power	25000W	30000W
Max. (Rated) apparent output power	25000VA	30000VA
Max. (Rated) output current	36.1A	43.3A

Model Name	S6-GC3P33K03-NV-ND	S6-GC3P36K03-NV-ND
PV Input		
Absolute max. voltage	1100V	1100V
MPPT voltage range	180-1000V	180-1000V
Max.input current	3x40A	3x40A
Isc PV	3x50A	3x50A
AC Output		
Rated voltage	3/N/PE AC 230/400 V	3/N/PE AC 230/400 V
Rated frequency	50Hz	50Hz
Max. (Rated) output power	33000W	36000W
Max. (Rated) apparent output power	33000VA	36000VA
Max. (Rated) output current	47.6A	52.0A

### Default protection settings

Parameters	Normative requirements	Internal threshold setting
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	Maximum clearance time	Trip limit	Maximum clearance time (factory setting)	Factory setting trip value (Default)
Over voltage – state 1: 10 minutes mean value corresponding to EN 50160 and DIN VDE 0126-1-1:2013 (VDE V 0126-1-1:2013)	200ms	1.1Un...1.15Un	600s+3s (moving average voltage)	1.1Un
Over voltage – stage 2	200ms	1.15Un	100ms	1.15Un
Under voltage	200ms	0.8Un	100ms	0.8Un
Over frequency	200ms	51.5Hz	100ms	51.5Hz
Under frequency	200ms	47.5Hz	100ms	47.5Hz
Reconnection voltage range after a network outage and response to abnormal conditions	-	85 % Un ... 110 % Un	-	85 % Un ... 110 % Un
Reconnection frequency range after a network outage and response to abnormal conditions	-	47.5 Hz to 50.05 Hz	-	47.5 Hz to 50.05 Hz
Automatic reconnection after a network outage and response to abnormal conditions	≥30s	-	70s	-
DC injection current	200 ms	1A	100ms	1A
PV array Insulation resistance measurement before starting operation	-	≥ Vmax PV/30mA	-	200 kΩ
Islanding detection	Max. 5s	Loss of mains	Max. 5s	Loss of mains
Continuous residual current	300 ms	300 mA	300ms	300 mA
Sudden changes in residual current	300 ms	30 mA;	300ms	30 mA
	150 ms	60 mA;	150ms	60 mA
	40 ms	150 mA;	40ms	150 mA
Displacement factor	0.944 (According to Enedis-FOR-CF_15E:2023, version 13)		0.944	



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The tolerance between setting value and trip value of the voltage shall be at maximum  $\pm 1\%$  and the admissible tolerance for the frequency at maximum  $\pm 0.1\%$ .

b) The following deviations have been applied according to SEI REF 04:2007/V7:2018 for PV plant capacity less than 250kVA and LV connection (PROTECTION DE DECOUPLAGE POUR LE RACCORDEMENT D'UNE PRODUCTION DECENTRALISEE EN HTA ET EN BT DANS LES ZONES NON INTERCONNECTEES. Référentiel Technique)

Parameters	Tripping setting	Max. clearance time setting
Over voltage	1.11 Vn	100ms
Under voltage	0.85 Vn	100ms
Over frequency	52.0Hz	100ms
Under frequency	46.0Hz	100ms
Under frequency(for Guiana)	45.0Hz	100ms

c) The following deviations have been applied according to "Contrat de raccordement, d'accès et d'exploitation (CRAE) pour une installation de production photovoltaïque raccordée au Réseau Public d'électricité" and EDT:2011/V1:2011.

Parameters	Tripping setting	Max. clearance time setting
Over voltage	1.15 Vn	100ms
Under voltage	0.85 Vn	100ms
Over frequency	62.5Hz	100ms
Under frequency	55.0Hz	100ms

Alteration of the above settings or full setting range of the interface protection may cause a breach of the type-certificate marking.

Unauthorised access to factory safety parameters setting and software should be prohibited.

A reset to the factory safety parameters requires retesting and verification