

Compliance Document

No. D 086470 0114 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
(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.: 64772228006301

Date, 2022-06-08



(Tony Liu)

Compliance Document

No. D 086470 0114 Rev. 00

Model(s):

S6-GR1P3.6K-M, S6-GR1P3K-M, S6-GR1P2.5K-M, S6-GR1P2K-M, S6-GR1P1.5K-M, S6-GR1P1K-M, S6-GR1P0.7K-M, S6-GR1P3.6K-M-R, S6-GR1P3K-M-R, S6-GR1P2.5K-M-R, S6-GR1P2K-M-R, S6-GR1P1.5K-M-R, S6-GR1P1K-M-R, S6-GR1P0.7K-M-R

Trade name:

solis



Compliance Document

No. D 086470 0114 Rev. 00

Parameters:

Model:	S6-GR1P0.7K-M S6-GR1P0.7K-M-R	S6-GR1P1K-M S6-GR1P1K-M-R	S6-GR1P1.5K-M S6-GR1P1.5K-M-R
INPUT			
V _{MAX} PV [Vdc]	600		
I _{SC} PV[A]	22		
MPP Voltage Range V _{MPP} [Vdc]	50-500		
Max. Input Current I _{max} [A]	14		
MPP Full Power Voltage Range [Vdc]	66-500	94-500	141-500
Start PV Voltage [Vdc]	60		
Backfeed Current [A]	0		
Overvoltage Category (OVC)	II		
OUTPUT			
Rated Output Voltage U _r [Vac]	1/N/PE, 220/230V		
Normal Operating Voltage Range U _n [Vac]	176-253V/184-264V		
Rated Output Frequency F _{NETZ} [Hz]	50/60		
Normal Operating Frequency Range F _n [Hz]	45-55Hz/55-65Hz		
Rated Output Power P _E [W]	700	1000	1500
Max. Output Power P _{Emax} [W]	800	1100	1700
Max. Output Current I _{max} [A]	4.4	5.2	8.1
Power Factor cosφ [λ]	-0.8, 0.8		
Standby Power Consumption [W]	< 1		
Night Power Consumption [W]	< 1		
THD [V / I] (100% full power)	< 3%		
Acoustic Noise [dB]	< 20		
Overvoltage Category (OVC)	III		
SYSTEM			
Protective Class	I		
Enclosure Protection (IP)	IP66		
Operating Temperature Range [°C]	-25 to +60		
Pollution degree (PD)	PD2		
Altitude [m]	2000		
Array Insulation Resistance Detection [Ω]	200K		
The accuracy of resistance measurement [%]	< 10		

Model:	S6-GR1P2K-M S6-GR1P2K-M-R	S6-GR1P2.5K-M S6-GR1P2.5K-M-R
INPUT		
V _{MAX} PV [Vdc]	600	
I _{SC} PV[A]	22	
MPP Voltage Range V _{MPP} [Vdc]	80-500	
Max. Input Current I _{max} [A]	14	
MPP Full Power Voltage Range [Vdc]	187-500	234-500
Start PV Voltage [Vdc]	90	
Backfeed Current [A]	0	
Overvoltage Category (OVC)	II	
OUTPUT		
Rated Output Voltage U _r [Vac]	1/N/PE, 220/230V	
Normal Operating Voltage Range U _n [Vac]	176-253V/184-264V	
Rated Output Frequency F _{NETZ} [Hz]	50/60	
Normal Operating Frequency Range F _n [Hz]	45-55Hz/55-65Hz	
Rated Output Power P _E [W]	2000	2500
Max. Output Power P _{Emax} [W]	2200	2800
Max. Output Current I _{max} [A]	10.5	13.3

Compliance Document

No. D 086470 0114 Rev. 00

Power Factor $\cos\phi$ [λ]	-0.8, 0.8
Standby Power Consumption [W]	< 1
Night Power Consumption [W]	< 1
THD [V / I] (100% full power)	< 3%
Acoustic Noise [dB]	< 20
Overvoltage Category (OVC)	III
SYSTEM	
Protective Class	I
Enclosure Protection (IP)	IP66
Operating Temperature Range [°C]	-25 to +60
Pollution degree (PD)	PD2
Altitude [m]	2000
Array Insulation Resistance Detection [Ω]	200K
The accuracy of resistance measurement [%]	< 10

Model:	S6-GR1P3K-M S6-GR1P3K-M-R	S6-GR1P3.6K-M S6-GR1P3.6K-M-R
INPUT		
V_{MAX} PV [Vdc]	600	
I_{SC} PV[A]	22	30
MPP Voltage Range V_{MPP} [Vdc]	80-500	
Max. Input Current I_{max} [A]	14	19
MPP Full Power Voltage Range [Vdc]	281-500	195-500
Start PV Voltage [Vdc]	90	
Backfeed Current [A]	0	
Overvoltage Category (OVC)	II	
OUTPUT		
Rated Output Voltage U_r [Vac]	1/N/PE, 220/230V	
Normal Operating Voltage Range U_n [Vac]	176-253V/184-264V	
Rated Output Frequency F_{NETZ} [Hz]	50/60	
Normal Operating Frequency Range F_n [Hz]	45-55Hz/55-65Hz	
Rated Output Power P_E [W]	3000	3600
Max. Output Power $P_{E_{max}}$ [W]	3300	3600
Max. Output Current I_{max} [A]	15.7	16
Power Factor $\cos\phi$ [λ]	-0.8, 0.8	
Standby Power Consumption [W]	< 1	
Night Power Consumption [W]	< 1	
THD [V / I] (100% full power)	< 3%	
Acoustic Noise [dB]	< 20	
Overvoltage Category (OVC)	III	
SYSTEM		
Protective Class	I	
Enclosure Protection (IP)	IP66	
Operating Temperature Range [°C]	-25 to +60	
Pollution degree (PD)	PD2	
Altitude [m]	2000	
Array Insulation Resistance Detection [Ω]	200K	
The accuracy of resistance measurement [%]	< 10	

**Tested
according to:**

EN IEC 61000-3-11:2019
EN 61000-3-12:2011