

# Compliance Document

No. D 086470 0056 Rev. 01

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

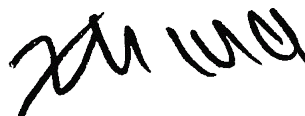
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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter**  
**PV Grid Tied 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704091907631-01

**Date,** 2021-06-23



( Zhengdong Ma )

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**Model(s):** Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G, Solis-3P8K-4G, Solis-3P8K-4G-BE, Solis-3P9K-4G, Solis-3P10K-4G, Solis-3P10K-4G-BE, Solis-3P12K-4G, Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G, S5-GR3P3K, S5-GR3P4K, S5-GR3P5K, S5-GR3P6K, S5-GR3P8K, S5-GR3P8K-BE, S5-GR3P9K, S5-GR3P10K, S5-GR3P10K-BE, S5-GR3P12K, S5-GR3P13K, S5-GR3P15K, S5-GR3P17K, S5-GR3P20K.

## Parameters:

Max. input voltage:	1000 Vd.c. (Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G, Solis-3P8K-4G, Solis-3P8K-4G-BE, Solis-3P9K-4G, Solis-3P10K-4G, Solis-3P10K-4G-BE, Solis-3P12K-4G, Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G) 1100 Vd.c. (S5-GR3P3K, S5-GR3P4K, S5-GR3P5K, S5-GR3P6K, S5-GR3P8K, S5-GR3P8K-BE, S5-GR3P9K, S5-GR3P10K, S5-GR3P10K-BE, S5-GR3P12K, S5-GR3P13K, S5-GR3P15K, S5-GR3P17K, S5-GR3P20K)
Mppt voltage range:	160-850 Vd.c. (Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G, Solis-3P8K-4G, Solis-3P8K-4G-BE, Solis-3P9K-4G, Solis-3P10K-4G, Solis-3P10K-4G-BE, Solis-3P12K-4G, Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G) 160-1000 Vd.c. (S5-GR3P3K, S5-GR3P4K, S5-GR3P5K, S5-GR3P6K, S5-GR3P8K, S5-GR3P8K-BE, S5-GR3P9K, S5-GR3P10K, S5-GR3P10K-BE, S5-GR3P12K, S5-GR3P13K, S5-GR3P15K, S5-GR3P17K, S5-GR3P20K)
Max. input current:	2 x 11 A (Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G, Solis-3P8K-4G, Solis-3P9K-4G, Solis-3P10K-4G) 2 x 22 A (Solis-3P8K-4G-BE, Solis-3P10K-4G-BE, Solis-3P12K-4G, Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G) 2 x 16 A (S5-GR3P3K, S5-GR3P4K, S5-GR3P5K, S5-GR3P6K, S5-GR3P8K, S5-GR3P9K, S5-GR3P10K) 2 x 32 A (S5-GR3P8K-BE, S5-GR3P10K-BE, S5-GR3P12K, S5-GR3P13K, S5-GR3P15K, S5-GR3P17K, S5-GR3P20K)
Isc PV (absolute maximum):	2 x 17,2 A (Solis-3P3K-4G, Solis-3P4K-4G, Solis-3P5K-4G, Solis-3P6K-4G, Solis-3P8K-4G, Solis-3P9K-4G, Solis-3P10K-4G) 2 x 34,3 A (Solis-3P8K-4G-BE, Solis-3P10K-4G-BE, Solis-3P12K-4G, Solis-3P15K-4G, Solis-3P17K-4G, Solis-3P20K-4G) 2 x 25 A (S5-GR3P3K, S5-GR3P4K, S5-GR3P5K, S5-GR3P6K, S5-GR3P8K, S5-GR3P9K, S5-GR3P10K) 2 x 50 A (S5-GR3P8K-BE, S5-GR3P10K-BE, S5-GR3P12K, S5-GR3P13K, S5-GR3P15K, S5-GR3P17K, S5-GR3P20K)

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Rated grid voltage:	3/N/PE~, 230/400 V
Rated grid frequency:	50 Hz
Rated output power:	3000W(Solis-3P3K-4G, S5-GR3P3K), 4000W(Solis-3P4K-4G, S5-GR3P4K), 5000 W (Solis-3P5K-4G, S5-GR3P5K), 6000 W (Solis-3P6K-4G, S5-GR3P6K), 8000 W (Solis-3P8K-4G, Solis-3P8K-4G-BE, S5-GR3P8K,S5-GR3P8K-BE), 9000 W (Solis-3P9K-4G, S5-GR3P9K), 10000 W (Solis-3P10K-4G, Solis-3P10K-4G-BE, S5-GR3P10K,S5-GR3P10K-BE), 12000 W (Solis-3P12K-4G, S5-GR3P12K),13000 W (S5-GR3P13K) ,15000 W (Solis-3P15K-4G, S5-GR3P15K), 17000 W (Solis-3P17K-4G, S5-GR3P17K), 20000 W (Solis-3P20K-4G, S5-GR3P20K)
Max. AC output active power:	3300W(Solis-3P3K-4G, S5-GR3P3K), 4400W(Solis-3P4K-4G, S5-GR3P4K), 5500 W (Solis-3P5K-4G,S5-GR3P5K), 6600 W (Solis-3P6K-4G, S5-GR3P6K), 8800 W (Solis-3P8K-4G, Solis-3P8K-4G-BE, S5-GR3P8K,S5-GR3P8K-BE), 9900 W (Solis-3P9K-4G, S5-GR3P9K), 10000W(Solis-3P10K-4G-BE,S5-GR3P10K-BE),11000 W (Solis-3P10K-4G, S5-GR3P10K), 13200 W (Solis-3P12K-4G, S5-GR3P12K), 14300 W (S5-GR3P13K), 16500 W (Solis-3P15K-4G, S5-GR3P15K), 18700 W (Solis-3P17K-4G, S5-GR3P17K), 22000 W (Solis-3P20K-4G, S5-GR3P20K)
Max. AC output apparent power:	3300VA(Solis-3P3K-4G, S5-GR3P3K), 4400VA(Solis-3P4K-4G,S5-GR3P4K), 5500 VA (Solis-3P5K-4G, S5-GR3P5K), 6600 VA (Solis-3P6K-4G, S5-GR3P6K), 8800 VA (Solis-3P8K-4G, Solis-3P8K-4G-BE, S5-GR3P8K,S5-GR3P8K-BE), 9900 VA (Solis-3P9K-4G, S5-GR3P9K), 10000VA(Solis-3P10K-4G-BE,S5-GR3P10K-BE),11000 VA (Solis-3P10K-4G, S5-GR3P10K), 13200 VA (Solis-3P12K-4G, S5-GR3P12K), 14300 W (S5-GR3P13K), 16500 VA (Solis-3P15K-4G,S5-GR3P15K), 18700 VA (Solis-3P17K-4G, S5-GR3P17K), 22000 VA (Solis-3P20K-4G,S5-GR3P20K)
Max. continuous output current:	4,7 A (Solis-3P3K-4G, S5-GR3P3K), 6,4 A (Solis-3P4K-4G, S5-GR3P4K), 7,9 A (Solis-3P5K-4G,S5-GR3P5K), 9,5 A (Solis-3P6K-4G, S5-GR3P6K), 12,7 A (Solis-3P8K-4G, Solis-3P8K-4G-BE, S5-GR3P8K,S5-GR3P8K-BE), 14,3 A (Solis-3P9K-4G, S5-GR3P9K),15,9 A (Solis-3P10K-4G, Solis-3P10K-4G-BE, S5-GR3P10K, S5-GR3P10K-BE),19,1 A (Solis-3P12K-4G, S5-GR3P12K), 20,7 A (S5-GR3P13K), 23,8 A (Solis-3P15K-4G, S5-GR3P15K), 27 A (Solis-3P17K-4G, S5-GR3P17K),31,8 A (Solis-3P20K-4G, S5-GR3P20K)
Adjustable displacement factor:	-0,8...1...+0,8
Operating temperature Range:	-25 °C...+60 °C
Ingress Protection:	IP66
Protective Class:	I
Overtoltage category:	II(PV), III(Mains)
Inverter topology:	Non-isolated

**Tested according to:**

EN 50549-1:2019/AC:2019