

Compliance Document

No. D 086470 0133 Rev. 00

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

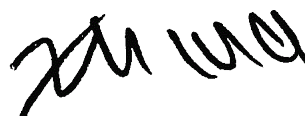
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PEOPLE'S REPUBLIC OF CHINA

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.: 704092304815-00

Date, 2023-04-26



(Zhengdong Ma)

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Model(s): Solis-80K-5G-PRO, Solis-100K-5G-PRO,
Solis-110K-5G-PRO, Solis-125K-5G-PRO

Parameters :

Models	Solis-80K-5G-PRO	Solis-100K-5G-PRO	Solis-110K-5G-PRO	Solis-125K-5G-PRO
PV input parameters				
Max. input voltage	DC 1100 V			
MPP voltage range	DC 160 V, ..., 1000 V			
Max. input current	DC 3x36 A +3x32 A	DC 4x36 A+4x32 A		DC 10x36 A
Isc PV(absolute maximum)	DC 6x50 A	DC 8x50 A		DC 10x50 A
AC output parameters				
Rated output power	80000 W	100000 W	110000 W	125000 W
Max. AC output active power	88000 W	110000 W	121000 W	137500 W
Max. AC output apparent power	88000 VA	110000 VA	121000 VA	137500 VA
Rated grid voltage	3/N/PE AC 230/400 V			
Rated grid frequency	50 Hz			
Max. continuous output current	AC 133.7 A	AC 167.1 A	AC 183.8 A	AC 198.5 A
Adjustable cos ϕ	-0.8, ..., 1, ..., +0.8			

Integrated protection system default settings

Parameters	Normative requirements		Internal threshold setting	
	Maximum clearance time	Trip limit	Maximum clearance time (factory setting)	Factory setting
Response to abnormal voltages	No delay	230 V + 15%	< 0.2s	264.5 V
	No delay	230 V - 20%	< 0.2s	184 V
Response to abnormal frequency	No delay	51.5 Hz	< 0.2s	51.5 Hz
	No delay	47.5 Hz	< 0.2s	47.5 Hz
Islanding protection	< 2s	Islanding detection according to IEC 62116	< 2 s	Islanding detection according to IEC 62116
Response to utility recovery	≥ 60	49.9 Hz – 50.1 Hz and 85% Un – 110% Un	60s	49.9 Hz – 50.1 Hz and 85% Un – 110% Un

Remark: a dedicated device (protection relay) shall be installed for production plants with a total power exceeding 30kW.

Tested according to:

C10/11:2021