

Compliance Document

No. D 073342 0349 Rev. 00

Holder of Certificate: **Sungrow Power Supply Co., Ltd.**

No. 1699 Xiyou Road, New & High
Technology Industrial Development Zone,
230088 Hefei, Anhui
PEOPLE'S REPUBLIC OF CHINA

Product:

Converter
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.:

704092103538-00

Date,

2021-09-03



(Zhengdong Ma)



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Model(s): SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT, SG7.0RT, SG8.0RT, SG10RT, SG12RT, SG15RT, SG17RT, SG20RT.

Parameters:

PV input parameters	
Max. input voltage:	1100 Vd.c.
Min. MPP voltage:	160 Vd.c.
Max. MPP voltage:	1000 Vd.c.
Max. input current:	12,5 Ad.c. / 12,5 Ad.c. (SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT) 25 Ad.c. / 12,5 Ad.c. (SG7.0RT, SG8.0RT, SG10RT, SG12RT) 25 Ad.c. / 25 Ad.c. (SG15RT, SG17RT, SG20RT)
Isc PV:	16 Ad.c. / 16 Ad.c. (SG3.0RT, SG4.0RT, SG5.0RT, SG6.0RT) 32 Ad.c. / 16 Ad.c. (SG7.0RT, SG8.0RT, SG10RT, SG12RT) 32 Ad.c. / 32 Ad.c. (SG15RT, SG17RT, SG20RT)
AC output parameters	
Rated output voltage:	3/N/PE, 230/400 Va.c.
Rated output frequency:	50/60 Hz
Max. output current:	5,1 Aa.c. (SG3.0RT) 6,8 Aa.c. (SG4.0RT) 8,3 Aa.c. (SG5.0RT) 10 Aa.c. (SG6.0RT) 11,7 Aa.c. (SG7.0RT) 13,3 Aa.c. (SG8.0RT) 16,7 Aa.c. (SG10RT) 20 Aa.c. (SG12RT) 25 Aa.c. (SG15RT) 28,3 Aa.c. (SG17RT) 31,9 Aa.c. (SG20RT)

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Rated output power:	3 kW (SG3.0RT) 4 kW (SG4.0RT) 5 kW (SG5.0RT) 6 kW (SG6.0RT) 7 kW (SG7.0RT) 8 kW (SG8.0RT) 10 kW (SG10RT) 12 kW (SG12RT) 15 kW (SG15RT) 17 kW (SG17RT) 20 kW (SG20RT)
Max. apparent power:	3,3 kVA (SG3.0RT) 4,4 kVA (SG4.0RT) 5,5 kVA (SG5.0RT) 6,6 kVA (SG6.0RT) 7,7 kVA (SG7.0RT) 8,8 kVA (SG8.0RT) 11 kVA (SG10RT) 13,2 kVA (SG12RT) 16,5 kVA (SG15RT) 18,7 kVA (SG17RT) 22 kVA (SG20RT)
Power factor range:	0,8Lagging ...0,8Leading
Others	
Ambient temperature range:	-25°C...+60°C
Protective class:	I
Ingress protection:	IP65
Overvoltage category:	II(PV), III(Mains)

**Tested
according to:**

UTE C15-712-1:2013
DIN V VDE V 0126-1-1/A1 (VDE V 0126-1-1/A1):2012 (with
national deviation of France: DIN VDE 0126-1-1/A1 VFR 2019)