

Compliance Document

No. D 073342 0315 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

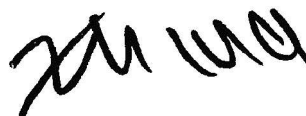
Product:

Converter
Grid-Connected Hybrid 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.: 704092103502-00

Date, 2021-02-08



(Zhengdong Ma)

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Model(s): SH5.0RT,SH6.0RT,SH8.0RT,SH10RT

Parameters:

PV input port:	
Max. input voltage	d.c. 1000 V
MPP voltage range	d.c. 150-950 V (SH5.0RT), d.c. 200-950 V (SH6.0RT, SH8.0RT, SH10RT)
Max. input current	d.c. 12.5/12.5 A (SH5.0RT, SH6.0RT, SH8.0RT), d.c. 12.5/25 A (SH10RT)
Isc PV (absolute maximum)	d.c. 16/16 A (SH5.0RT, SH6.0RT, SH8.0RT), d.c. 16/32 A (SH10RT)
Battery input port:	
Battery type	Li-ion
Battery voltage range	d.c. 150-600 V
Max. continuous charge/discharge current	d.c. 30 A/30 A
AC input/output port (grid interactive):	
Rated voltage	3/N/PE, a.c. 400/230 V
Rated frequency	50/60 Hz
Rated apparent power	5000 VA (SH5.0RT), 6000 VA (SH6.0RT), 8000 VA (SH8.0RT), 10000 VA (SH10RT)
Max. output active power	5000 W (SH5.0RT), 6000 W (SH6.0RT), 8000 W (SH8.0RT), 10000 W (SH10RT)
Max. output apparent power	5000 VA (SH5.0RT), 6000 VA (SH6.0RT), 8000 VA (SH8.0RT), 10000 VA (SH10RT)
Rated output current	a.c. 7.3A (SH5.0RT), a.c. 8.7A (SH6.0RT), a.c. 11.6A (SH8.0RT), a.c. 14.5A (SH10RT)
Max. output current	a.c. 7.6A (SH5.0RT), a.c. 9.1A (SH6.0RT), a.c. 12.1A (SH8.0RT), a.c. 15.2A (SH10RT)
Displacement factor	0.8 Leading...0.8 Lagging
Max. input current from grid	a.c. 18.1 A (SH5.0RT), a.c. 21.7 A (SH6.0RT), a.c. 27 A (SH8.0RT), a.c. 30 A (SH10RT)
Max. input power from grid	12500 W (SH5.0RT), 15000 W (SH6.0RT), 18600 W (SH8.0RT), 20600 W (SH10RT)

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Backup AC output port:	
Rated output voltage	3/N/PE, a.c. 400/230 V
Rated output frequency	50/60 Hz
Rated output current	a.c. 7.3A (SH5.0RT), a.c. 8.7A (SH6.0RT), a.c. 11.6A (SH8.0RT), a.c. 14.5A (SH10RT)
Max. output active power	5000 W (SH5.0RT), 6000 W (SH6.0RT), 8000 W (SH8.0RT), 10000 W (SH10RT)
Max. output apparent power	5000 VA (SH5.0RT), 6000 VA (SH6.0RT), 8000 VA (SH8.0RT), 10000 VA (SH10RT)
Inverter topology	Non-isolated
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	II (PV and Battery), III (MAINS)
Ambient temperature:	-25°C...+60°C

Tested IEC 61727:2004
according to: IEC 62116:2014
IEC 61683:1999