

Compliance Document

No. D 073342 0315 Rev. 01

Holder of Certificate: **Sungrow Power Supply Co., Ltd.**
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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.: 704092103502-01

Date, 2022-12-05



(Zhengdong Ma)

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Model(s): SH10RT, SH8.0RT, SH6.0RT, SH5.0RT, SH10RT-20, SH8.0RT-20, SH6.0RT-20, SH5.0RT-20

Parameters:

Model	SH5.0RT-20	SH6.0RT-20	SH8.0RT-20	SH10RT-20
PV input port				
Max. PV input voltage	d.c. 1000 V	d.c. 1000 V	d.c. 1000 V	d.c. 1000 V
MPP voltage range	d.c. 150-950 V	d.c. 200-950 V	d.c. 200-950 V	d.c. 200-950 V
Max. PV input current	13,5 A/13,5 A	13,5 A/13,5 A	13,5 A/13,5 A	13,5 A/27 A
Isc PV	18 A/18 A	18 A/18 A	18 A/18 A	18 A/36 A
Battery input port				
Battery type	Li-ion			
Battery voltage	150-600 V			
Max. continuous charge/discharge current	30 A/30 A	30 A/30 A	30 A/30 A	30 A/30 A

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AC input/output port (grid interactive)				
Rated output apparent power	5000 VA	6000 VA	8000 VA	10000 VA
Rated voltage	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V
Rated frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. output active power	5000 W	6000 W	8000 W	10000 W
Max. output apparent power	5000 VA	6000 VA	8000 VA	10000 VA
Max. AC output current	7,6 A	9,1 A	12,1 A	15,2 A
Max. input current from grid	18,1 A	21,7 A	27 A	30 A
Max. input power from grid	12500 W	15000 W	18600 W	20600 W
Power factor	0.8 (leading)...0.8 (lagging)			
Backup AC output port				
Max. output current	7,6 A	9,1 A	12,1 A	15,2 A
Rated output voltage	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V
Rated output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. output active power	5000 W	6000 W	8000 W	10000 W
Max. output apparent power	5000 VA	6000 VA	8000 VA	10000 VA

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Model	SH5.0RT	SH6.0RT	SH8.0RT	SH10RT
PV input port				
Max. PV input voltage	d.c. 1000 V	d.c. 1000 V	d.c. 1000 V	d.c. 1000 V
MPP voltage range	d.c. 150-950 V	d.c. 200-950 V	d.c. 200-950 V	d.c. 200-950 V
Max. PV input current	12,5 A/12,5 A	12,5 A/12,5 A	12,5 A/12,5 A	12,5 A/25 A
Isc PV	16 A/16 A	16 A/16 A	16 A/16 A	16 A/32 A
Battery input port				
Battery type	Li-ion			
Battery voltage	150-600 V			
Max. continuous charge/discharge current	30 A/30 A	30 A/30 A	30 A/30 A	30 A/30 A
AC input/output port (grid interactive)				
Rated output apparent power	5000 VA	6000 VA	8000 VA	10000 VA
Rated voltage	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V
Rated frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. output active power	5000 W	6000 W	8000 W	10000 W
Max. output apparent power	5000 VA	6000 VA	8000 VA	10000 VA
Rated AC output current	7,3 A	8,7 A	11,6 A	14,5 A
Max. input current from grid	18,1 A	21,7 A	27 A	30 A
Max. input power from grid	12500 W	15000 W	18600 W	20600 W
Power factor	0.8 (leading)...0.8 (lagging)			



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Backup AC output port				
Rated output current	7,3 A	8,7 A	12,1 A	14,5 A
Rated output voltage	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V	3/N/PE ~, 400/230V
Rated output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. output active power	5000 W	6000 W	8000 W	10000 W
Max. output apparent power	5000 VA	6000 VA	8000 VA	10000 VA

Tested according to:

IEC 61727:2004
IEC 62116:2014
IEC 61683:1999