

Compliance Document

No. D 073342 0315 Rev. 00

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

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PEOPLE'S REPUBLIC OF CHINA

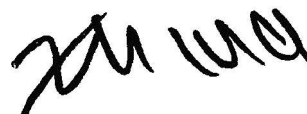
Product:

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.: 704092103502-00

Date, 2021-02-08



(Zhengdong Ma)

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

Parameters:

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