



Product Service

Compliance Document

No. D 127531 0005 Rev. 00

Holder of Certificate: **Jiangsu Skyworth New Energy Technology Co., Ltd**
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 PEOPLE'S REPUBLIC OF CHINA

Product: **PV inverter**
On-Grid 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.: 4840925212900

Date, 2025-01-24


 (Xiao Xu)



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Model(s): SW3000TL-S1-E1, SW3680TL-S1, SW4000TL-S1, SW4600TL-S1, SW5000TL-S1, SW6000TL-S1

Parameters:

Model	SW3000TL-S1-E1	SW3680TL-S1	SW4000TL-S1
DC Input			
Max. voltage	DC 550V	DC 550V	DC 550V
MPPT voltage range	DC 60-520V	DC 60-520V	DC 60-520V
Max. input current	DC 1*16A	DC 2*16A	DC 2*16A
Max. Short Circuit Current	DC 1*20A	DC 2*20A	DC 2*20A
AC Output			
Rated grid voltage	1/N/PE, AC220V/230/240V	1/N/PE, AC220V/230/240V	1/N/PE, AC220V/230/240V
Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
Max. AC output current	AC 15A	AC 18.4A	AC 20A
Nominal AC Output	3000W	3680W	4000W
Max. AC Output	3300VA	4048VA	4400VA
Power Factor Range	1(±0.8 adjustable)	1(±0.8 adjustable)	1(±0.8 adjustable)
Others			
Ingress protection	IP66	IP66	IP66
Operating Ambient Temperature Range	-30°C-60°C	-30°C-60°C	-30°C-60°C
Inverter topology	non-isolated	non-isolated	non-isolated
Protective class	Class I	Class I	Class I



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Model	SW4600TL-S1	SW5000TL-S1	SW6000TL-S1
DC Input			
Max. voltage	DC 550V	DC 550V	DC 550V
MPPT voltage range	DC 60-520V	DC 60-520V	DC 60-520V
Max. input current	DC 2*16A	DC 2*16A	DC 2*16A
Max. Short Circuit Current	DC 2*20A	DC 2*20A	DC 2*20A
AC Output			
Rated grid voltage	1/N/PE, AC220V/230/240V	1/N/PE, AC220V/230/240V	1/N/PE, AC220V/230/240V
Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
Max. AC output current	AC 23A	AC 25A	AC 30A
Nominal AC Output	4600W	5000W	6000W
Max. AC Output	5060VA	5500VA	6600VA
Power Factor Range	1(±0.8 adjustable)	1(±0.8 adjustable)	1(±0.8 adjustable)
Others			
Ingress protection	IP66	IP66	IP66
Operating Ambient Temperature Range	-30°C-60°C	-30°C-60°C	-30°C-60°C
Inverter topology	non-isolated	non-isolated	non-isolated
Protective class	Class I	Class I	Class I

**Tested
according to:**

IEC 61000-6-1:2016
IEC 61000-6-2:2016
IEC 61000-6-3:2020
IEC 61000-6-4:2018
IEC 61000-3-2:2018/AMD1:2020
IEC 61000-3-12:2011/AMD1:2021
IEC 61000-3-3:2013/AMD2:2021
IEC 61000-3-11:2017
IEC 62920:2017/A1:2021
CISPR 11:2015/A2:2019