

Compliance Document

No. D 099312 0053 Rev. 00

Holder of Certificate: **Solar Solutions GmbH**
Brückenstrasse 94
60594 Frankfurt am Main
GERMANY

Product: **Converter**
(PV grid-interactive 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.: 64290203022301A

Date, 2021-01-26



(Billy Qiu)

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Model(s): AS-IR01-4000, AS-IR01-4600, AS-IR01-5000,
AS-IR01-3000-2, AS-IR01-4000-2, AS-IR01-4600-2,
AS-IR01-5000-2

Parameters:

Model	AS-IR01-4000	AS-IR01-4600	AS-IR01-5000
V _{max} PV	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT Range	125 ~ 550 Vd.c.	125 ~ 550 Vd.c.	125 ~ 550 Vd.c.
MPPT Range (full load)	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.
MPPT / Strings per MPPT	1 / 2	1 / 2	1 / 2
Max. Continuous input current	16 Ad.c.	18 Ad.c.	20 Ad.c.
I _{sc} PV	18 Ad.c.	20 Ad.c.	22 Ad.c.
Max. continuous output current	16.0 Aa.c.	18.3 Aa.c.	20.0 Aa.c.
Rated output active power	3680 W	4200 W	4600 W
P _{E_{max}} , max. active power	3645 W	4201 W	4582 W
S _{E_{max}} , max. apparent power	3673 VA	4206 VA	4589 VA
Nominal AC Frequency	50 Hz		
Nominal AC voltage	230 Va.c.		
Power factor (adjustable)	0.95 _{under-excited} to 0.95 _{over-excited}		
Protective class	I		

Model	AS-IR01-3000-2	AS-IR01-4000-2	AS-IR01-4600-2	AS-IR01-5000-2
V _{max} PV	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT Range	125 ~ 550 Vd.c.	125 ~ 550 Vd.c.	125 ~ 550 Vd.c.	125 ~ 550 Vd.c.
MPPT Range (full load)	180 ~ 480 Vd.c.	200 ~ 480 Vd.c.	220 ~ 480 Vd.c.	240 ~ 480 Vd.c.
MPPT / Strings per MPPT	2 / 1	2 / 1	2 / 1	2 / 1
Max. Continuous input current	2x8 Ad.c.	2x10 Ad.c.	2x11 Ad.c.	2x12 Ad.c.
I _{sc} PV	2x9 Ad.c.	2x11 Ad.c.	2x12 Ad.c.	2x14 Ad.c.
Max. continuous output current	14.0 Aa.c.	16.0 Aa.c.	18.3 Aa.c.	20.0 Aa.c.
Rated output active power	3000 W	3680 W	4200 W	4600 W
P _{E_{max}} , max. active power	2986 W	3668 W	4186 W	4570 W
S _{E_{max}} , max. apparent power	2993 VA	3674 VA	4192 VA	4573 VA
Nominal AC Frequency	50 Hz			
Nominal AC voltage	230 Va.c.			
Power factor	0.95 _{under-excited} to 0.95 _{over-excited}			
Protective class	I			



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**Tested
according to:**

VDE-AR-N 4105:2018
DIN VDE V 0124-100:2020