



Product Service

# CERTIFICATE

No. Z2 099312 0056 Rev. 00

**Holder of Certificate:** **Solar Solutions GmbH**

Brückenstrasse 94  
60594 Frankfurt am Main  
GERMANY

**Certification Mark:**



**Product:**

**Converter  
(PV grid-interactive inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290150165602A

**Valid until:** 2025-11-19

**Date,** 2021-03-26

( Billy Qiu )

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**Model(s): AS-IR01-750, AS-IR01-1000, AS-IR01-1500, AS-IR01-2000, AS-IR01-3000**

## Parameters:

Model	AS-IR01-750	AS-IR01-1000	AS-IR01-1500	AS-IR01-2000	AS-IR01-3000
V <sub>max</sub> PV	400 Vdc	450 Vdc	450 Vdc	450 Vdc	500 Vdc
MPPT range	50-400 Vdc	60-400 Vdc	80-410 Vdc	100-410 Vdc	120-450 Vdc
MPPT range (full load)	100-320 Vdc	121-360 Vdc	165-360 Vdc	180-360 Vdc	210-400 Vdc
MPPT tracker / strings	1/1	1/1	1/1	1/1	1/2
Max. Continuous input current	8 A	9 A	10 A	12 A	15 A
I <sub>sc</sub> PV	8,8 A	9,9 A	11 A	13,2 A	16,5 A
Max. Continuous output power	750 W	1000 W	1500 W	2000 W	3000 W
Maximum apparent power S <sub>E<sub>max</sub></sub>	776 VA	1013 VA	1517 VA	2042 VA	3028 VA
Maximum active power P <sub>E<sub>max</sub></sub>	760 W	1012 W	1515 W	2037 W	3017 W
Max. Continuous output current	3,6 A	4,5 A	6,5 A	9 A	13 A
Nominal Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Nominal AC voltage	230 V	230 V	230 V	230 V	230 V
Power factor (rated power)	≥0,99	≥0,99	≥0,99	≥0,99	≥0,99
Temperature	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C
Protective class	I	I	I	I	I
Overvoltage Category	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)
Ingress protection	IP65	IP65	IP65	IP65	IP65

**Tested according to:**

IEC 62109-1:2010  
 EN 62109-1:2010  
 IEC 62109-2:2011  
 EN 62109-2:2011