



Product Service

CERTIFICATE

No. Z2 099312 0007 Rev. 01

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

Test report no.: 64290150166004A

Valid until: 2025-08-18

Date, 2020-11-05

(Billy Qiu)

CERTIFICATE

No. Z2 099312 0007 Rev. 01

Model(s): AS-IR01-4000, AS-IR01-4600, AS-IR01-5000,
AS-IR01-5500, AS-IR01-5600
AS-IR01-3000-2, AS-IR01-4000-2,
AS-IR01-4600-2, AS-IR01-5000-2,
AS-IR01-5500-2, AS-IR01-5600-2,
AS-IR01-6000-2

Parameters:

Model	AS-IR01-4000	AS-IR01-4600	AS-IR01-5000	AS-IR01-5500	AS-IR01-5600
Vmax PV	600 Vd.c.	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.	120 ~ 550 Vd.c.
MPPT Range (full load)	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.
MPPT / Strings per MPPT	1 / 2	1 / 2	1 / 2	1 / 2	1 / 2
Max. Continuous input current	16 Ad.c.	18 Ad.c.	20 Ad.c.	22 Ad.c.	23 Ad.c.
Isc PV	18 Ad.c.	20 Ad.c.	22 Ad.c.	24 Ad.c.	25Ad.c.
Max. continuous output current	16 Aa.c.	18.3 Aa.c.	20 Aa.c.	22.7 Aa.c.	24 Aa.c.
Nominal active power P _n	3680 W	4200 W	4600 W	5000 W	5300 W
Nominal AC Frequency	50 Hz				
Nominal AC voltage	230 Va.c.				
Power factor (adjustable)	0.95 _{under-excited} to 0.95 _{over-excited}				
Operation temperature range	-25 °C ~ +60 °C, auto-derating above 45 °C				
Over voltage category	DC II, AC III				
Protective class	I				
Ingress protection	IP65				

CERTIFICATE

No. Z2 099312 0007 Rev. 01

Model	AS-IR01-3000-2	AS-IR01-4000-2	AS-IR01-4600-2	AS-IR01-5000-2	AS-IR01-5500-2	AS-IR01-5600-2	AS-IR01-6000-2
V _{max} PV	600 Vd.c.	600 Vd.c.	600 Vd.c.	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.	125 ~ 550 Vd.c.	120 ~ 550 Vd.c.	120 ~ 550 Vd.c.
MPPT Range (full load)	180 ~ 480 Vd.c.	200 ~ 480 Vd.c.	220 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.	240 ~ 480 Vd.c.
MPPT / Strings per MPPT	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
Max. Continuous input current	2x8 Ad.c	2x10 Ad.c	2x11 Ad.c	2x12 Ad.c	2x12 Ad.c	2x13 Ad.c	2x16 Ad.c
I _{sc} PV	2x9 Ad.c	2x11 Ad.c	2x12 Ad.c	2x14 Ad.c	2x14 Ad.c	2x15 Ad.c	2x18 Ad.c
Max. continuous output current	14 Aa.c.	16 Aa.c.	18.3 Aa.c.	20 Aa.c.	22.7 Aa.c.	24 Aa.c.	27.3 Aa.c.
Nominal active power P _n	3000 W	3680 W	4200 W	4600 W	5000W	5300 W	6000 W
Nominal AC Frequency	50 Hz						
Nominal AC voltage	230 Va.c.						
Power factor (adjustable)	0.95under-excited to 0.95over-excited						
Operation temperature range	-25 °C ~ +60 °C, auto-derating above 45 °C						
Over voltage category	DC II, AC III						
Protective class	I						
Ingress protection	IP65						

Tested according to:

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

Production Facility(ies):

077238