



Product Service

CERTIFICATE

No. Z2 099312 0014 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.: 64290140257103A

Valid until: 2025-08-18

Date, 2020-11-05

(Billy Qiu)

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Model(s): AS-IC01-6000-2, AS-IC01-8000-2,
AS-IC01-10000-2, AS-IC01-12000-2,
AS-IC01-15000-2, AS-IC01-17000-2

Parameters:

Model	AS-IC01-6000-2	AS-IC01-8000-2	AS-IC01-10000-2	AS-IC01-12000-2	AS-IC01-15000-2	AS-IC01-17000-2
V _{max} PV	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
I _{sc} PV	12,5 A x 2	15,5 A x 2	21 A x 2	21 A x 2	23,5 A x 2	25,5 A x 2
Maximum operating PV input current	11 A x 2	14 A x 2	19 A x 2	19 A x 2	21 A x 2	23 A x 2
MPPT Range	180 ~ 800 Vd.c.	180 ~ 800 Vd.c.	180 ~ 800 Vd.c.	180 ~ 800 Vd.c.	180 ~ 800 Vd.c.	180 ~ 800 Vd.c.
MPPT Range (full load)	300 ~ 800 Vd.c.	300 ~ 800 Vd.c.	320 ~ 800 Vd.c.	350 ~ 800 Vd.c.	400 ~ 800 Vd.c.	400 ~ 800 Vd.c.
MPPT / Strings per MPPT	2 / 3	2 / 3	2 / 3	2 / 3	2 / 3	2 / 3
Nominal AC voltage	3/N/PE, 230V/400V	3/N/PE, 230V/400V	3/N/PE, 230V/400V	3/N/PE, 230V/400V	3/N/PE, 230V/400V	3/N/PE, 230V/400V
Nominal Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max. continuous output current	9,6 A	12,8 A	16,1 A	19,3 A	24,1 A	27,3 A
Nominal active power	6 kW	8 kW	10 kW	12 kW	15 kW	17 kW
Power factor (Cos phi), adjustable	0,80 _{under-excited} to 0,80 _{over-excited}	0,80 _{under-excited} to 0,80 _{over-excited}	0,80 _{under-excited} to 0,80 _{over-excited}	0,80 _{under-excited} to 0,80 _{over-excited}	0,80 _{under-excited} to 0,80 _{over-excited}	0,80 _{under-excited} to 0,80 _{over-excited}
Ingress protection	IP65	IP65	IP65	IP65	IP65	IP65
Protective class	I	I	I	I	I	I
Temperature	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C	-25 °C ~ +60 °C
Oversvoltage category	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)	II(DC), III(AC)

Tested according to:

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

Production Facility(ies):

077238