



Product Service

Attestation of Conformity

No. N8A 093811 0034 Rev. 01

Holder of Certificate: **INVT Solar Technology
(ShenZhen) Co., Ltd.**
 6th Floor, Block A
 INVT Guangming Technology Building
 Kejie Fourth Road, Shutianpu Community, Matian
 Guangming District
 518000 Shenzhen
 PEOPLE'S REPUBLIC OF CHINA

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

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.: 64290150166003

Date, 2019-12-17

(Billy Qiu)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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Model(s):

**iMars MG4KTL, iMars MG4K6TL, iMars MG5KTL,
iMars MG5K5TL, iMars MG5K6TL, iMars MG3KTL-2M,
iMars MG4KTL-2M, iMars MG4K6TL-2M, iMars MG5KTL-2M,
iMars MG5K5TL-2M, iMars MG5K6TL-2M, iMars MG6KTL-2M**

Parameters:

Model	iMars MG4KTL	iMars MG4K6TL	iMars MG5KTL	iMars MG5K5TL	iMars MG5K6TL
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				

Model	iMars MG3KTL- 2M	iMars MG4KTL- 2M	iMars MG4K6TL -2M	iMars MG5KTL- 2M	iMars MG5K5TL -2M	iMars MG5K6TL -2M	iMars MG6KTL- 2M
Vmax 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
Isc 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)	0.95 _{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						

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**Tested
according to:**

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

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