



Product Service

Attestation of Conformity

No. N8A 093811 0072 Rev. 00


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
(Grid-tied Solar 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. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223041201

Date, 2022-11-17



(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 XG15KTR, iMars XG15KTR-S
 iMars XG17KTR, iMars XG17KTR-S
 iMars XG20KTR, iMars XG20KTR-S
 iMars XG22KTR, iMars XG22KTR-S
 iMars XG25KTR, iMars XG25KTR-S

Parameters:

Model:	iMars XG15KTR	iMars XG17KTR	iMars XG20KTR	iMars XG22KTR	iMars XG25KTR
PV input terminal parameters:					
Vmax PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Rated input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.
MPPT voltage range (full load)	480-800 Vd.c.	480-800 Vd.c.	480-800 Vd.c.	520-800 Vd.c.	560-800 Vd.c.
MPPT tracker number	2	2	2	2	2
Maximum number of input string per tracker	2/2	2/2	2/2	2/2	2/3
Maximum continuous input current	32/32 Ad.c.	32/32 Ad.c.	32/32 Ad.c.	32/32 Ad.c.	32/48 Ad.c.
Isc PV	40/40 Ad.c	40/40 Ad.c	40/40 Ad.c	40/40 Ad.c	40/60 Ad.c
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	24.1 Aa.c.	27.2 Aa.c.	32.1 Aa.c.	35.3 Aa.c.	40.1. Aa.c.
Rate output active power	15 kW	17 kW	20 kW	22 kW	25 kW
Maximum output apparent power	16.6 kVA	18.8 kVA	22.2 kVA	24.4 kVA	27.7 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating above 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				

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Model:	iMars XG15KTR- S	iMars XG17KTR- S	iMars XG20KTR- S	iMars XG22KTR- S	iMars XG25KTR- S
PV input terminal parameters:					
Vmax PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Rated input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	650V	650V
MPPT voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.
MPPT voltage range (full load)	470-800 Vd.c.	540-800 Vd.c.	690-800 Vd.c.	760-800 Vd.c.	520-800 Vd.c.
MPPT tracker number	2	2	2	2	2
Maximum number of input string per tracker	1/1	1/1	1/1	1/1	1/2
Maximum continuous input current	16/16 Ad.c.	16/16 Ad.c.	16/16 Ad.c.	16/16 Ad.c.	16/32 Ad.c.
Isc PV	20/20 Ad.c	20/20 Ad.c	20/20 Ad.c	20/20 Ad.c	20/40 Ad.c
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	24.1A	27.2A	32.1A	35.3A	40.1 Aa.c.
Rate output active power	15 kW	17 kW	20 kW	22 kW	25 kW
Maximum output apparent power	16.6 kVA	18.8 kVA	22.2 kVA	24.4 kVA	27.7 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating above 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				

**Tested
according to:**

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

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