



Product Service

# Attestation of Conformity

No. E8A 093811 0064 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

**Name of Object:** **Converter  
(Grid-tied Solar Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772223040601

**Date,** 2022-08-22

( Tony Liu )

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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. That Declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

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**Model(s):**

iMars XG3KTR, iMars XG4KTR, iMars XG5KTR,  
iMars XG6KTR, iMars XG8KTR, iMars XG9KTR,  
iMars XG10KTR, iMars XG11KTR, iMars XG12KTR,  
iMars XG15KTR1, iMars XG3KTR-S, iMars XG4KTR-S,  
iMars XG5KTR-S, iMars XG6KTR-S, iMars XG8KTR-S,  
iMars XG9KTR-S, iMars XG10KTR-S, iMars XG11KTR-S,  
iMars XG12KTR-S, iMars XG15KTR1-S, iMars XG3KTR-AU,  
iMars XG4KTR-AU, iMars XG5KTR-AU, iMars XG6KTR-AU,  
iMars XG8KTR-AU, iMars XG9KTR-AU, iMars XG10KTR-AU,  
iMars XG11KTR-AU, iMars XG12KTR-AU, iMars XG15KTR1-AU

**Trade name:**

invt

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# Attestation of Conformity

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## Description of Object:

Model:	iMars XG3KTR	iMars XG4KTR	iMars XG5KTR	iMars XG6KTR	iMars XG8KTR
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	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	250-850 Vd.c.	250-850 Vd.c.	250-850 Vd.c.	250-850 Vd.c.	320-850 Vd.c.
Maximum continue input current	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.
Isc PV	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50/60 Hz				
Maximum continuous output current	4.8 Aa.c.	6.4 Aa.c.	8 Aa.c.	9.6 Aa.c.	12.8 Aa.c.
Rate output active power	3 kW	4 kW	5 kW	6 kW	8 kW
Maximum output apparent power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				



# Attestation of Conformity

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Model:	iMars XG9KTR	iMars XG10KTR	iMars XG11KTR	iMars XG12KTR	iMars XG15KTR1
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	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	400-850 Vd.c.	450-850 Vd.c.	450-850 Vd.c.	480-850 Vd.c.	500-850 Vd.c.
Maximum continue input current	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/28 Ad.c.
Isc PV	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/36 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50/60 Hz				
Maximum continuous output current	14.4 Aa.c.	15.9 Aa.c.	17.5 Aa.c.	19.1 Aa.c.	23.9 Aa.c.
Rate output active power	9 kW	10 kW	11 kW	12 kW	15 kW
Maximum output apparent power	9.9 kVA	11 kVA	12.1 kVA	13.2 kVA	16.5 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				



# Attestation of Conformity

No. E8A 093811 0064 Rev. 00

Model:	iMars XG3KTR-S	iMars XG4KTR-S	iMars XG5KTR-S	iMars XG6KTR-S	iMars XG8KTR-S
PV input terminal parameters:					
V <sub>max</sub> 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	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	200-850 Vd.c.	200-850 Vd.c.	200-850 Vd.c.	200-850 Vd.c.	360-850 Vd.c.
Maximum continue input current	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.
I <sub>sc</sub> PV	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400Va.c.				
Rated output frequency	50/60 Hz				
Maximum continuous output current	4.8 Aa.c.	6.4 Aa.c.	8 Aa.c.	9.6 Aa.c.	12.8 Aa.c.
Rate output active power	3 kW	4 kW	5 kW	6 kW	8 kW
Maximum output apparent power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				



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Model:	iMars XG9KTR-S	iMars XG10KTR-S	iMars XG11KTR-S	iMars XG12KTR-S	iMars XG15KTR1-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.	600 Vd.c.	600 Vd.c.
MPPT voltage range	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	360-850 Vd.c.	360-850 Vd.c.	380-850 Vd.c.	380-850 Vd.c.	450-850 Vd.c.
Maximum continue input current	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.
Isc PV	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.	25/25 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50/60Hz				
Maximum continuous output current	14.4 Aa.c.	15.9 Aa.c.	17.5 Aa.c.	19.1 Aa.c.	23.9 Aa.c.
Rate output active power	9 kW	10 kW	11 kW	12 kW	15 kW
Maximum output apparent power	9.9 kVA	11 kVA	12.1 kVA	13.2 kVA	16.5 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				



# Attestation of Conformity

No. E8A 093811 0064 Rev. 00

Model:	iMars XG3KTR-AU	iMars XG4KTR-AU	iMars XG5KTR-AU	iMars XG6KTR-AU	iMars XG8KTR- AU
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	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	250-850 Vd.c.	250-850 Vd.c.	250-850 Vd.c.	250-850 Vd.c.	320-850 Vd.c.
Maximum continue input current	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/14 Ad.c.	14/28 Ad.c.
Isc PV	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/18 Ad.c.	18/36 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50/60 Hz				
Maximum continuous output current	4.3 Aa.c.	5.8 Aa.c.	7.2 Aa.c.	8.7 Aa.c.	11.6 Aa.c.
Rate output active power	3 kW	4 kW	5 kW	6 kW	8 kW
Maximum output apparent power	3 kVA	4 kVA	5 kVA	6 kVA	8 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				



Product Service

# Attestation of Conformity

No. E8A 093811 0064 Rev. 00

Model:	iMars XG9KTR-AU	iMars XG10KTR- AU	iMars XG11KTR- AU	iMars XG12KTR- AU	iMars XG15KTR1- AU
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	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.	180-1000 Vd.c.
MPPT voltage range (full load)	400-850 Vd.c.	450-850 Vd.c.	450-850 Vd.c.	480-850 Vd.c.	500-850 Vd.c.
Maximum continue input current	14/28 Ad.c.	14/28 Ad.c.	14/28 Ad.c.	14/28 Ad.c.	14/28 Ad.c.
Isc PV	18/36 Ad.c.	18/36 Ad.c.	18/36 Ad.c.	18/36 Ad.c.	18/36 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400Va.c.				
Rated output frequency	50/60Hz				
Maximum continuous output current	13 Aa.c.	14.5 Aa.c.	16 Aa.c.	17.4 Aa.c.	21.7 Aa.c.
Rate output active power	9 kW	10 kW	11 kW	12 kW	15 kW
Maximum output apparent power	9 kVA	10 kVA	11 kVA	12 kVA	15 kVA
Power factor	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating at 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				

**Tested  
according to:**

EN IEC 61000-6-1:2019  
EN IEC 61000-6-3:2021

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