



Product Service

Compliance Document

No. D 093811 0056 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
(PV Grid-connected inverter)**

Model(s): iMars XG3KTR, iMars XG3KTR-S, iMars XG3KTR-AU,
iMars XG4KTR, iMars XG4KTR-S, iMars XG4KTR-AU,
iMars XG5KTR, iMars XG5KTR-S, iMars XG5KTR-AU,
iMars XG6KTR, iMars XG6KTR-S, iMars XG6KTR-AU,
iMars XG8KTR, iMars XG8KTR-S, iMars XG8KTR-AU,
iMars XG9KTR, iMars XG9KTR-S, iMars XG9KTR-AU,
iMars XG10KTR, iMars XG10KTR-S, iMars XG10KTR-AU,
iMars XG11KTR, iMars XG11KTR-S, iMars XG11KTR-AU,
iMars XG12KTR, iMars XG12KTR-S, iMars XG12KTR-AU,
iMars XG15KTR1, iMars XG15KTR1-S, iMars XG15KTR1-AU

Parameters: See below pages

Tested according to: IEC 60068-2-1:2007
IEC 60068-2-2:2007
IEC 60068-2-14:2009
IEC 60068-2-30:2005

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223040401

Date, 2022-08-12

(Billy Qiu)

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Parameters:

Model	iMars XG3 KTR	iMars XG4 KTR	iMars XG5 KTR	iMars XG6 KTR	iMars XG8 KTR	iMars XG9 KTR	iMars XG10 KTR	iMars XG11 KTR	iMars XG12 KTR	iMars XG15 KTR1
PV input rating										
Vmax. PV	1100Vd.c.									
MPPT Voltage Range	180-1000Vd.c.									
MPPT Tracker number	2									
Max. PV input current	14/14Ad.c.									14/28 Ad.c.
Isc PV	18/18Ad.c.									18/36 Ad.c.
Grid output rating										
Rated voltage	230/400Va.c..									
Rated frequency	50/60 Hz									
Maximum output current	4.8 A a.c.	6.4 A a.c.	8 A a.c.	9.6 A a.c.	12.8 A a.c.	14.4 A a.c.	15.9 A a.c.	17.5 A a.c.	19.1 A a.c.	23.9 A a.c.
Rated output power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW
Maximum output Apparent power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA	9.9 kVA	11 kVA	12.1 kVA	13.2 kVA	16.5 kVA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging									
General parameter										
Ingress protection rating	IP66									
Ambient temperature range	-30°C ~ +60°C (derating at 45°C)									
Protective Class	I									
Altitude	up to 4000 m									

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Model	iMars XG3 KTR -S	iMars XG4 KTR -S	iMars XG5 KTR -S	iMars XG6 KTR -S	iMars XG8 KTR -S	iMars XG9 KTR -S	iMars XG10 KTR -S	iMars XG11 KTR -S	iMars XG12 KTR -S	iMars XG15 KTR1-S
PV terminal										
Vmax. PV	1100Vd.c.									
MPPT Voltage Range	180-1000Vd.c.									
MPPT Tracker number	2									
. PV input current per tracker	18/18Ad.c.									
Isc PV per tracker	25/25Ad.c.									
Grid terminal										
Rated voltage	3/N/PE,230/400Va.c..									
Rated frequency	50/60Hz									
Maximum output current	4.8 A a.c.	6.4 A a.c.	8 A a.c.	9.6 A a.c.	12.8 A a.c.	14.4 A a.c.	15.9 A a.c.	17.5 A a.c.	19.1 A a.c.	23.9 A a.c.
Rated output power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW
Rated output Apparent power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA	9.9 kVA	11 kVA	12.1 kVA	13.2 kVA	16.5 kVA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging									
Enclosure	IP66									
Temperature Range	-30°C ~ +60°C (derating at 45°C)									
Protective Class	I									
Altitude	up to 4000 m									

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Model	iMars XG3 KTR- AU	iMars XG4 KTR- AU	iMars XG5 KTR- AU	iMars XG6 KTR- AU	iMars XG8 KTR- AU	iMars XG9 KTR- AU	iMars XG10 KTR- AU	iMars XG11 KTR- AU	iMars XG12 KTR- AU	iMars XG15 KTR1- AU
PV input rating										
Vmax. PV	1100Vd.c.									
MPPT Voltage Range	180-1000Vd.c.									
MPPT Tracker number	2									
Max. PV input current	14/14Ad.c.					14/28 Ad.c.				
Isc PV	18/18Ad.c.					18/36 Ad.c.				
Grid output rating										
Rated voltage	3/N/PE,230/400Va.c..									
Rated frequency	50Hz									
Maximum output current	4.3 A a.c.	5.8 A a.c.	7.2 A a.c.	8.7 A a.c.	11.6 A a.c.	13 A a.c.	14.5 A a.c.	16 A a.c.	17.4 A a.c.	21.7 A a.c.
Rated output power	3kW	4kW	5kW	6kW	8kW	9kW	10kW	11kW	12kW	15kW
Maximum output Apparent power	3kVA	4kVA	5kVA	6kVA	8kVA	9kVA	10kVA	11kVA	12kVA	15kVA
Power factor (Cos phi), adjustable	0.8 leading ~ 0.8 lagging									
General parameter										
Ingress protection rating	IP66									
Ambient temperature range	-30°C ~ +60°C (derating at 45°C)									
Protective Class	I									
Altitude	up to 4000 m									