

Compliance Document

No. D 093811 0086 Rev. 00

Holder of Certificate: **INVT Solar Technology
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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(Solar Inverter)**

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.: 64290223106301

Date, 2023-03-08



(Billy Qiu)

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Model(s):

**iMars XG3KTL-1M, iMars XG3KTL-2M,
iMars XG3.68KTL, iMars XG4KTL,
iMars XG4.2KTL, iMars XG4.6KTL,
iMars XG5KTL, iMars XG6KTL,
iMars XG7KTL, iMars XG7KTL1,
iMars XG8KTL, iMars XG8KTL1,
iMars XG10KTL, iMars XG10KTL1**

Parameters:

Model	iMars XG3KTL-1M	iMars XG3KTL-2M	iMars XG3.68KTL	iMars XG4KTL	iMars XG4.2KTL
PV input terminal parameters					
Maximum input voltage	600 Vd.c.				
MPPT voltage range	80-580 Vd.c.				
MPPT voltage range (full load)	190-480 Vd.c.	120-480 Vd.c.	135-480 Vd.c.	145-480 Vd.c.	150-480 Vd.c.
Number of MPPT circuits	1	2	2	2	2
Maximum number of input string per tracker	1	1/1	1/1	1/1	1/1
Maximum continuous input current	20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.
Isc PV	26 Ad.c.	26/26 Ad.c.	26/26 Ad.c.	26/26 Ad.c.	26/26 Ad.c.
AC output rating					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	15 Aa.c.	15 Aa.c.	16 Aa.c.	20 Aa.c.	21 Aa.c.
Rate output active power	3000 W	3000 W	3680 W	4000 W	4200 W
Maximum output apparent power	3300 VA	3300 VA	3680 VA	4400 VA	4620 VA
Power factor	0.9 inductive ... 0.9 capacitive				

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Model	iMars XG4.6KTL	iMars XG5KTL	iMars XG6KTL	iMars XG7KTL	iMars XG7KTL1
PV input terminal parameters					
Maximum input voltage	600 Vd.c.				
MPPT voltage range	80-580 Vd.c.				
MPPT voltage range (full load)	160-480 Vd.c.	170-480 Vd.c.	190-480 Vd.c.	230-480 Vd.c.	230V-480 Vd.c.
Number of MPPT circuits	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	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	20/20 Ad.c.	28/14 Ad.c.
Isc PV	26/26 Ad.c.	26/26 Ad.c.	26/26 Ad.c.	26/26 Ad.c.	36.4/18.2 Ad.c.
AC output rating					
Rated output voltage	230 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	23 Aa.c.	25 Aa.c.	30 Aa.c.	35 Aa.c.	35 Aa.c.
Rate output active power	4600 W	5000 W	6000 W	7000 W	7000 W
Maximum output apparent power	5000 VA	5500 VA	6600 VA	7700 VA	7700 VA
Power factor	0.9 inductive ... 0.9 capacitive				

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Model	iMars XG8KTL	iMars XG8KTL1	iMars XG10KTL	iMars XG10KTL1
PV input terminal parameters				
Maximum input voltage	600 Vd.c.			
MPPT voltage range	80-580 Vd.c.			
MPPT voltage range (full load)	250-480 Vd.c.	250-480 Vd.c.	290-480 Vd.c.	290-480 Vd.c.
Number of MPPT circuits	2	2	2	2
Maximum number of input string per tracker	1/1	1/2	1/1	1/2
Maximum continuous input current	20/20 Ad.c.	28/14 Ad.c.	20/20 Ad.c.	28/14 Ad.c.
Isc PV	26/26 Ad.c.	36.4/18.2 Ad.c.	26/26 Ad.c.	36.4/18.2 Ad.c.
AC output rating				
Rated output voltage	230 Va.c.			
Rated output frequency	50 Hz			
Maximum continuous output current	40 Aa.c.	40 Aa.c.	45.5 Aa.c.	45.5 Aa.c.
Rate output active power	8000 W	8000 W	10000 W	10000 W
Maximum output apparent power	8800 VA	8800 VA	10000 VA	10000 VA
Power factor	0.9 inductive ... 0.9 capacitive			

**Tested
according to:**

EN 50549-1:2019/AC:2019