

Compliance Document

No. D 093811 0059 Rev. 00

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

Product: **Converter
(PV Grid-connected 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.: 64290223040201

Date, 2022-08-16



(Billy Qiu)

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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

Parameters:

Model:	iMars XG3KTR	iMars XG4KTR	iMars XG5KTR	iMars XG6KTR	iMars XG8KTR
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	250-850Vd.c.				320-850 Vd.c.
Maximum operating PV input current	14/14Ad.c.				
Maximum PV short circuit current	18/18Ad.c.				
AC output rating					
Rated output voltage	3/N/PE,230/400Va.c.				
Rated output frequency	50/60Hz				
Maximum continuous output current	4.8Aa.c.	6.4Aa.c.	8Aa.c.	9.6Aa.c.	12.8Aa.c.
Rated output active power	3kW	4kW	5kW	6kW	8kW
Maximum continuous output apparent power SEmax	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA
Power factor	0.8 leading ~ 0.8 lagging				

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Model:	iMars XG9KTR	iMars XG10KTR	iMars XG11KTR	iMars XG12KTR	iMars XG15KTR1
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	400-850 Vd.c.	450-850Vd.c.		480-850 Vd.c.	500-850 Vd.c.
Maximum operating PV input current	14/14Ad.c.				14/28 Ad.c.
Maximum PV short circuit current	18/18Ad.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	14.4Aa.c.	15.9Aa.c.	17.5Aa.c.	19.1Aa.c.	23.9Aa.c.
Rated output active power	9kW	10kW	11kW	12kW	15kW
Maximum continuous output apparent power S _{Emax}	9.9kVA	11kVA	12.1kVA	13.2kVA	16.5kVA
Power factor	0.8 leading ~ 0.8 lagging				

Model:	iMars XG3KTR-S	iMars XG4KTR-S	iMars XG5KTR-S	iMars XG6KTR-S	iMars XG8KTR-S
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	200-850Vd.c.				360-850 Vd.c.
Maximum operating PV input current	18/18Ad.c.				
Maximum PV short circuit current	25/25Ad.c.				
AC output rating					
Rated output voltage	3/N/PE,230/400Va.c..				
Rated output frequency	50/60Hz				
Maximum continuous output current	4.8A	6.4A	8A	9.6A	12.8A
Rated output active power	3kW	4kW	5kW	6kW	8kW
Maximum continuous output apparent power S _{Emax}	3.3kVA	4.4kVA	5.5kVA	6.6kVA	8.8kVA
Power factor	0.8 leading ~ 0.8 lagging				

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Model:	iMars XG9KTR- S	iMars XG10KTR- S	iMars XG11KTR- S	iMars XG12KTR- S	iMars XG15KTR1- S
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	360-850Vd.c.	380-850Vd.c.		450-850 Vd.c.	
Maximum operating PV input current	18/18Ad.c.				
Maximum PV short circuit current	25/25Ad.c.				
AC output rating					
Rated output voltage	3/N/PE,230/400Va.c.				
Rated output frequency	50/60Hz				
Maximum continuous output current	14.4Aa.c.	15.9Aa.c.	17.5Aa.c.	19.1Aa.c.	23.9Aa.c.
Rated output active power	9kW	10kW	11kW	12kW	15kW
Maximum continuous output apparent power S _E max	9.9kVA	11kVA	12.1kVA	13.2kVA	16.5kVA
Power factor	0.8 leading ~ 0.8 lagging				

Model:	iMars XG3KTR- AU	iMars XG4KTR- AU	iMars XG5KTR- AU	iMars XG6KTR- AU	iMars XG8KTR- AU
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	250-850Vd.c.				320-850 Vd.c.
Maximum operating PV input current	14/14Ad.c.				14/28 Ad.c.
Maximum PV short circuit current	18/18Ad.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	4.3Aa.c.	5.8Aa.c.	7.2Aa.c.	8.7Aa.c.	11.6Aa.c.
Rated output active power	3kW	4kW	5kW	6kW	8kW
Maximum continuous output apparent power S _E max	3kVA	4kVA	5kVA	6kVA	8kVA
Power factor	0.8 leading ~ 0.8 lagging				

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Model:	iMars XG9KTR- AU	iMars XG10KTR- AU	iMars XG11KTR- AU	iMars XG12KTR- AU	iMars XG15KTR1 - AU
PV input terminal parameters:					
Maximum input voltage	1100Vd.c.				
PV input operating voltage range	180-1000Vd.c.				
MPPT voltage range(Full load)	400-850 Vd.c.	450-850Vd.c.		480-850 Vd.c.	500-850 Vd.c.
Maximum operating PV input current	14/28Ad.c.				
Maximum PV short circuit current	18/36Ad.c.				
AC output rating					
Rated output voltage	3/N/PE,230/400Va.c.				
Rated output frequency	50/60Hz				
Maximum continuous output current	13Aa.c.	14.5Aa.c.	16Aa.c.	17.4Aa.c.	21.7Aa.c.
Rated output active power	9kW	10kW	11kW	12kW	15kW
Maximum continuous output apparent power S _E max	9kVA	10kVA	11kVA	12kVA	15kVA
Power factor	0.8 leading ~ 0.8 lagging				

**Tested
according to:**

IEC 61727:2004
IEC 62116:2014