


Test Verification of Conformity

Verification Number: 210623188GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	INVT Solar Technology (Shenzhen) Co., Ltd. 6 th Floor , Block A, INVT Guangming Technology Building, Kejie Fourth Road, Shutianpu Community, Matian Guangming District, 518000 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Product Description:	Grid-tied Solar inverter
Models/Type References:	iMars XG50KTR, iMars XG50KTRL, iMars XG50KTRL-S, iMars XG50KTR-S, iMars XG60KTR, iMars XG60KTRL, iMars XG60KTRL-S, iMars XG60KTR-S, iMars XG66KTRL, iMars XG66KTRL-S, iMars XG70KTRL, iMars XG70KTRL-S
Ratings & Principle Characteristics:	See Appendix
Brand Name:	invt
Relevant Standards/Directives:	EN IEC 61000-6-3:2021 EN IEC 61000-6-1:2019
Verification Issuing Office Name & Address:	EMC Directive 2014/30/EU Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	25 June 2021- 29 December 2021
Test Report Number(s):	210623188GZU-001
Additional information in Appendix.	



Signature

Name: Sky Zhu

Position: Team Leader

Date: 30 December 2021

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623188GZU-VOC001

Ratings & Principle Characteristics:

Model	iMars XG50KTR	iMars XG50KTRL
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	26A*2, 39A*2	
PV Isc	32A*2, 48A*2	
Nominal output voltage	3/N/PE, 230/400Vac	3/N/PE, 277/480Vac
Nominal output Frequency	50/60Hz	
Max.output current	79.7A	66.2A
Rated output power	50KW	
Max.apparent power	55KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	
Model	iMars XG50KTRL-S	iMars XG50KTR-S
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	32A*4	
PV Isc	40A*4	
Nominal output voltage	3/N/PE, 277/480Vac	3/N/PE, 230/400Vac
Nominal output Frequency	50/60Hz	
Max.output current	66.2A	79.7A
Rated output power	50KW	
Max.apparent power	55KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	
Model	iMars XG60KTR	iMars XG60KTRL
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	39A*4	
PV Isc	48A*4	
Nominal output voltage	3/N/PE, 230/400Vac	3/N/PE, 277/480Vac
Nominal output Frequency	50/60Hz	
Max.output current	95.6A	79.4A
Rated output power	60KW	
Max.apparent power	66KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	

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Ratings & Principle Characteristics:

Model	iMars XG60KTRL-S	iMars XG60KTR-S
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	32A*4	
PV Isc	40A*4	
Nominal output voltage	3/N/PE, 277/480Vac	3/N/PE, 230/400Vac
Nominal output Frequency	50/60Hz	
Max.output current	79.4A	95.6A
Rated output power	60KW	
Max.apparent power	66KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	
Model	iMars XG66KTRL	iMars XG66KTRL-S
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	39A*4	32A*4
PV Isc	48A*4	40A*4
Nominal output voltage	3/N/PE, 277/480Vac	
Nominal output Frequency	50/60Hz	
Max.output current	87.4A	
Rated output power	66KW	
Max.apparent power	72.6KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	
Model	iMars XG70KTRL	iMars XG70KTRL-S
Max.PV voltage	1100Vdc	
MPPT voltage range	200V – 1000Vdc	
Max.input current	39A*4	32A*4
PV Isc	48A*4	40A*4
Nominal output voltage	3/N/PE, 277/480Vac	
Nominal output Frequency	50/60Hz	
Max.output current	92.6A	
Rated output power	70KW	
Max.apparent power	77KVA	
Power factor range	0.8Leading – 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 66	
Operation Ambient Temperature	-30°C - +60°C	
Software version	V1.0	

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