Test Verification of Conformity

Verification Number: 210623186GZU -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 CE 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 CHAINA
Product Description:	Grid-tied Solar inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
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
Brand Name:	invt
Relevant Standards/Directives:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	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:	08 Oct 2021 to 09 Nov 2021
Test Report Number(s):	210623186GZU-001, 210623186GZU-002

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 11 Nov 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623186GZU -VOC001.

Model	iMars XG50KTR	iMars XG50KTRL	iMars XG50KTRL-S	iMars XG50KTR-S
Max.PV voltage	1100Vdc			
MPPT voltage range	200V – 1000Vdc			
Max.input current	26A*2, 39A*2		32A*4	
PV Isc	32A*2, 48A*2		40A*4	
Nominal output voltage	3/N/PE, 230/400Vac	3/N/PE, 277/480Vac	3/N/PE, 277/480Vac	3/N/PE, 230/400Vac
Nominal output Frequency	50/60Hz			
Max.output current	79.7A	66.2A	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℃ - +60℃			
Software version	V1.0			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 11 Nov 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623186GZU -VOC001.

Model	iMars XG60KTR	iMars XG60KTRL	iMars XG60KTRL-S	iMars XG60KTR-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, 230/400Vac	3/N/PE, 277/480Vac	3/N/PE, 277/480Vac	3/N/PE, 230/400Vac
Nominal output Frequency	50/60Hz			
Max.output current	95.6A	79.4A	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℃ - +60℃			
Software version	V1.0			

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 11 Nov 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623186GZU -VOC001.

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

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 11 Nov 2021