

# Certificate of Conformity

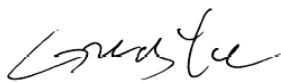
Certificate Number: CN-PV-230010R1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

<b>Applicant:</b>	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
<b>Product:</b>	Grid-tied Solar inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	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
<b>Brand Name&lt;s&gt;:</b>	inv
<b>Product Complies with:</b>	CEI 0-16:2022: Reference technical rules for the connection of active and passive consumers to the HV and MV electrical networks of distribution Company
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
<b>Test Report No.&lt;s&gt;:</b>	221202105GZU-002, Revision 1: 22 Feb 2023 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Replaces certificate CN-PV-230010 dated 10 January 2023

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 28 February 2023



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230010R1.

Model	iMars XG50KTR	iMars XG50KTRL	iMars XG50KTRL-S	iMars XG50KTR-S
Max. PV voltage	1100Vdc			
MPPT voltage range	200V – 1000Vdc			
Max. input current	39A/26A/39A/26A		32A*4	
PV Isc	48A/32A/48A/32A		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 Hz			
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°C - +60°C			
Software version	V1.0			

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230010R1.

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 Hz			
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°C - +60°C			
Software version	V1.0			

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230010R1.

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 Hz			
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°C - +60°C			
Software version	V1.0			

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230010R1.

TYPE OF APPARATUS: Grid-tied Solar inverter			
Number of phases: three-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
		<input checked="" type="checkbox"/>	
Static converters in systems with capacity more than 11.08 kW The devices are capable to limit $I_{dc}$ to 0.5% of the rated grid current			

Manufacturer: INVT Solar Technology (Shenzhen) Co., Ltd.

Apparatus type: Grid-tied Solar inverter

Model: 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.

Brands: invt

Firmware Version: V1.0

Number of phases: Three-phase

Nominal power: See Certificate for each model

Maximum power of the destination plant: < 400KW and  $\geq 400KW$

Having examined the ISO 9001 certificate of the manufacturer No: FM 741214 issued by:  
BSI GROUP ASSURANCE LIMITED

The indicated product complies with CEI 0-16:2022: Reference technical rules for the connection of active and passive consumers to the HV and MV electrical networks of distribution Company.