

Certificate of Conformity

Certificate Number: CN-PV-230017

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.

Applicant:	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
Product:	Grid-tied Solar inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	iMars XG100KTR, iMars XG100KTR-F, iMars XG110KTR, iMars XG110KTR-F, iMars XG136KTR-L, iMars XG136KTR-LF, iMars XG136KTR-X, iMars XG136KTR-XF
Brand Name<s>:	invt
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 Type approval for Type B
Certificate Issuing Office Name & Address:	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
Test Report No.<s>:	221202105GZU-001 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 12 January 2023



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230017.

Model	iMars XG100KTR	iMars XG100KTR-F	iMars XG110KTR	iMars XG110KTR-F
Max. PV voltage	1100Vdc			
MPPT voltage range	180V – 1000Vdc			
Max. input current	26A*9	30A*9	26A*10	30A*10
PV Isc	40A*9		40A*10	
Nominal output voltage	3/N/PE, 230/400Vac			
Nominal output Frequency	50 Hz			
Max. output current	158.8A		174.6A	
Rated output power	100KW		110KW	
Max. apparent power	110KVA		121KVA	
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	V1.1			

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Model	iMars XG136KTR-L	iMars XG136KTR-LF	iMars XG136KTR-X	iMars XG136KTR-XF
Max. PV voltage	1100Vdc			
MPPT voltage range	180V – 1000Vdc			
Max. input current	26A*12	30A*12	26A*12	30A*12
PV Isc	40A*12			
Nominal output voltage	3/N/PE, 277/480Vac		3/N/PE, 311/540Vac	
Nominal output Frequency	50 Hz			
Max. output current	174.6A		160.4A	
Rated output power	136KW			
Max. apparent power	150KVA			
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	V1.1			

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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 XG100KTR, iMars XG100KTR-F, iMars XG110KTR, iMars XG110KTR-F, iMars XG136KTR-L, iMars XG136KTR-LF, iMars XG136KTR-X, iMars XG136KTR-XF

Brands: invt

Firmware Version: V1.1

Number of phases: Three-phase

Nominal power: See Certificate for each model

Maximum power of the destination plant: ≤400KW

Plant class: Type B

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

The indicated product complies with CEI 0-21:2022: Reference technical rules for the connection of active and passive users to the LV electrical Utilities