



# Certificate of Conformity

Certificate Number: CN-PV-220112

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. 6 <sup>th</sup> 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 XG100KTR, iMars XG100KTR-F, iMars XG110KTR, iMars XG110KTR-F, iMars XG136KTR-L, iMars XG136KTR-LF, iMars XG136KTR-X, iMars XG136KTR-XF
<b>Brand Name&lt;s&gt;:</b>	invt
<b>Product Complies with:</b>	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
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
<b>Test Report No.&lt;s&gt;:</b>	210623182GZU-001, 210623182GZU-002

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).  
Additional information in Appendix.



Signature

**Certification Manager: Grady Ye**

**Date: 1 June 2022**

## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220112.

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	50/60Hz			
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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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220112.

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	50/60Hz			
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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