Test Verification of Conformity

Verification Number: 210623182GZU -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 XG100KTR, iMars XG100KTR-F, iMars XG110KTR, iMars XG110KTR-F, iMars XG136KTR-L, iMars XG136KTR-LF, iMars XG136KTR-X, iMars XG136KTR-XF
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:	24 Jun 2021 to 26 Jul 2021
Test Report Number(s):	210623182GZU-001, 210623182GZU-002

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 27 Jul 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623182GZU -VOC001.

Ratings & Principle Characteristics:	For model: iMars XG136KTR-L DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 26A*12; PV Isc: 40A*12 AC output: Max. Apparent Power: 150kVA; Max Output Current: 174.6A; Nominal Output Voltage: 3/N/PE 277Vac/480Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I For model: iMars XG136KTR-LF DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 30A*12; PV Isc: 40A*12 AC output: Max. Apparent Power: 150kVA; Max Output Current: 174.6A; Nominal Output Voltage: 3/N/PE 277Vac/480Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I For model: iMars XG100KTR DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 26A*9; PV Isc: 40A*9 AC output: Max. Apparent Power: 110kVA; Max Output Current: 158.8A; Nominal Output Voltage: 3/N/PE 230Vac/400Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 27 Jul 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623182GZU -VOC001.

Ratings & Principle Characteristics:	For model: iMars XG100KTR-F DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 30A*9; PV Isc: 40A*9 AC output: Max. Apparent Power: 110kVA; Max Output Current: 158.8A; Nominal Output Voltage: 3/N/PE 230Vac/400Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I For model: iMars XG110KTR DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 26A*10; PV Isc: 40A*10 AC output: Max. Apparent Power: 121kVA; Max Output Current: 174.6A; Nominal Output Voltage: 3/N/PE 230Vac/400Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I For model: iMars XG110KTR-F DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 30A*10; PV Isc: 40A*10 AC output: Max. Apparent Power: 121kVA; Max Output Current: 174.6A; Nominal Output Voltage: 3/N/PE 230Vac/400Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 27 Jul 2021

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 210623182GZU -VOC001.

Ratings & Principle Characteristics:	For model: iMars XG136KTR-X DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 26A*12; PV Isc: 40A*12 AC output: Max. Apparent Power: 150kVA; Max Output Current: 160.4A; Nominal Output Voltage: 3/N/PE 311Vac/540Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I For model: iMars XG136KTR-XF DC input: Max. PV Voltage: 1100Vdc; MPPT Voltage Range: 180-1000Vdc; Max.input current: 30A*12; PV Isc: 40A*12 AC output: Max. Apparent Power: 150kVA; Max Output Current: 160.4A; Nominal Output Voltage: 3/N/PE 311Vac/540Vac; Nominal Frequency: 50/60Hz; Power Factor:0.8 Leading – 0.8 Lagging Ambient Temperature: -30℃ - +60℃ IP66, Class I

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 27 Jul 2021