



Product Service

# Compliance Document

No. D 093811 0083 Rev. 00

**Holder of Certificate:** **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:** **Converter  
(Solar Inverter)**

**Model(s):** **iMars XG15KTR, iMars XG17KTR,  
iMars XG20KTR, iMars XG22KTR,  
iMars XG25KTR, iMars XG15KTR-S,  
iMars XG17KTR-S, iMars XG20KTR-S,  
iMars XG22KTR-S, iMars XG25KTR-S**

**Parameters:** See page 2

**Tested  
according to:** CEI 0-21:2022

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223117001

**Date,** 2023-03-03

( Billy Qiu )

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## Parameters:

Model	iMars XG15KTR	iMars XG17KTR	iMars XG20KTR	iMars XG22KTR	iMars XG25KTR
PV input terminal parameters					
Maximum input voltage	1100 Vd.c.				
MPPT voltage range	200-1000 Vd.c.				
MPPT voltage range (full load)	480-800 Vd.c.			520-800 Vd.c.	560-800 Vd.c.
Maximum number of input string per tracker	2/2				2/3
Maximum continuous input current	32/32 Ad.c.				32/48 Ad.c.
Isc PV	40/40 Ad.c.				40/60 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	24.1 Aa.c.	27.2 Aa.c.	32.1 Aa.c.	35.3 Aa.c.	40.1 Aa.c.
Rate output active power	15 kW	17 kW	20 kW	22 kW	25 kW
Maximum output apparent power	16.6 kVA	18.8 kVA	22.2 kVA	24.4 kVA	27.7 kVA
Power factor	0.9inductive(under-excited) to 0.9capacitive(over-excited)				

Model	iMars XG15KTR-S	iMars XG17KTR-S	iMars XG20KTR-S	iMars XG22KTR-S	iMars XG25KTR-S
PV input terminal parameters					
Maximum input voltage	1100 Vd.c.				
MPPT voltage range	200-1000 Vd.c.				
MPPT voltage range (full load)	470-800 Vd.c.	540-800 Vd.c.	690-800 Vd.c.	760-800 Vd.c.	520-800 Vd.c.
Maximum number of input string per tracker	1/1				1/2
Maximum continuous input current	16/16 Ad.c.				16/32 Ad.c.
Isc PV	20/20 Ad.c.				20/40 Ad.c.
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 Hz				
Maximum continuous output current	24.1 Aa.c.	27.2 Aa.c.	32.1 Aa.c.	35.3 Aa.c.	40.1 Aa.c.
Rate output active power	15 kW	17 kW	20 kW	22 kW	25 kW
Maximum output apparent power	16.6 kVA	18.8 kVA	22.2 kVA	24.4 kVA	27.7 kVA
Power factor	0.9inductive(under-excited) to 0.9capacitive(over-excited)				

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The following generators meet the requirements of CEI 0-21:2022						
Section A	Manufacturer	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				
	Equipment type	Solar Inverter				
	Brand	INVT Solar Technology (ShenZhen) Co., Ltd.				
	Number of phases	<input type="checkbox"/> Single phase <input checked="" type="checkbox"/> Three phase Frequency: 50Hz Voltage: a.c. 230V/400V				
	Primary energy used	<input checked="" type="checkbox"/> Solar <input type="checkbox"/> Storage <input type="checkbox"/> Wind <input type="checkbox"/> Hydroelectric <input type="checkbox"/> CHP <input type="checkbox"/> Other:				
	Generator model	iMars XG15KTR / iMars XG15KTR-S	iMars XG17KTR / iMars XG17KTR-S	iMars XG20KTR / iMars XG20KTR-S	iMars XG22KTR / iMars XG22KTR-S	iMars XG25KTR / iMars XG25KTR-S
	Rated active power output to Grid	15 kW	17 kW	20 kW	22 kW	25 kW
	Maximum apparent power output to Grid	16.6 kVA	18.8 kVA	22.2 kVA	24.4 kVA	27.7 kVA
	The generator:	<input checked="" type="checkbox"/> is suitable for installation in systems with an output power of more than 11.08 kW <input checked="" type="checkbox"/> is capable of limiting Idc to 0.5% of rated current: <input checked="" type="checkbox"/> uses a DC-sensitive protection function <input type="checkbox"/> uses a transformer operating at mains frequency				

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Section C	Characteristics of inverter(s)					
	Model of inverter	iMars XG15KTR / iMars XG15KTR-S	iMars XG17KTR / iMars XG17KTR-S	iMars XG20KTR / iMars XG20KTR-S	iMars XG22KTR / iMars XG22KTR-S	iMars XG25KTR / iMars XG25KTR-S
	Manufacturer of inverter	INVT Solar Technology (ShenZhen) Co., Ltd.				
	Firmware version	V1.0				
	Rated power of inverter (PNINV)	15 kW	17 kW	20 kW	22 kW	25 kW
Section I	References of the laboratories that performed the tests and their test reports (RdP)					
	Selected method	<input checked="" type="checkbox"/> Tests performed by an accredited laboratory				
	Test Reports (RdP)	Test report according to Annex B 64.290.22.31170.01				
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch				
	Accreditation No.	D-PL-19065-01-01				
	Accreditation body ref.	DAkKS				
Section M	Reference of the certification body					
	Certification Body	TÜV SÜD Product Service GmbH DAkKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013				