



Product Service

# CERTIFICATE

No. Z2 093811 0071 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

**Certification Mark:**



**Product:** **Converter  
(Grid-tied Solar Inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223041201

**Valid until:** 2027-11-16

**Date,** 2022-11-17

( Billy Qiu )

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**Model(s):** 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

## Parameters:

Model:	iMars XG15KTR	iMars XG17KTR	iMars XG20KTR	iMars XG22KTR	iMars XG25KTR
PV input terminal parameters:					
Vmax PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Rated input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.	600 Vd.c.
MPPT voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.
MPPT voltage range (full load)	480-800 Vd.c.	480-800 Vd.c.	480-800 Vd.c.	520-800 Vd.c.	560-800 Vd.c.
MPPT tracker number	2	2	2	2	2
Maximum number of input string per tracker	2/2	2/2	2/2	2/2	2/3
Maximum continuous input current	32/32 Ad.c.	32/32 Ad.c.	32/32 Ad.c.	32/32 Ad.c.	32/48 Ad.c.
Isc PV	40/40 Ad.c.	40/40 Ad.c.	40/40 Ad.c.	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	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating above 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				

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No. Z2 093811 0071 Rev. 00

Model:	iMars XG15KTR- S	iMars XG17KTR- S	iMars XG20KTR- S	iMars XG22KTR- S	iMars XG25KTR- S
PV input terminal parameters:					
Vmax PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
Rated input voltage	600 Vd.c.	600 Vd.c.	600 Vd.c.	650V	650V
MPPT voltage range	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	200-1000 Vd.c.	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.
MPPT tracker number	2	2	2	2	2
Maximum number of input string per tracker	1/1	1/1	1/1	1/1	1/2
Maximum continuous input current	16/16 Ad.c.	16/16 Ad.c.	16/16 Ad.c.	16/16 Ad.c.	16/32 Ad.c.
Isc PV	20/20 Ad.c	20/20 Ad.c	20/20 Ad.c	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	24.1A	27.2A	32.1A	35.3A	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	0.8 leading ~ 0.8 lagging				
General					
Operating temperature range	-30°C ~+60°C (derating above 45°C)				
Protection class	I				
Ingress protection	IP66				
Operating altitude range	≤4000m				

**Tested  
according to:**

IEC 62109-1:2010  
IEC 62109-2:2011  
EN 62109-1:2010  
EN 62109-2:2011