



Product Service

CERTIFICATE

No. B 093811 0084 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

Test report no.: 64290223159801

Valid until: 2028-04-05

Date, 2023-04-06

(Billy Qiu)

CERTIFICATE

No. B 093811 0084 Rev. 00

Model(s):

iMars XG3KTL-1M, iMars XG3KTL-2M,
iMars XG3.68KTL, iMars XG4KTL,
iMars XG4.2KTL, iMars XG4.6KTL,
iMars XG5KTL, iMars XG6KTL,
iMars XG7KTL, iMars XG7KTL1,
iMars XG8KTL, iMars XG8KTL1,
iMars XG10KTL, iMars XG10KTL-AU,
iMars XG10KTL1, iMars XG10KTL1-AU

Parameters:

Model	iMars XG3KTL-1M	iMars XG3KTL-2M	iMars XG3.68KTL	iMars XG4KTL	iMars XG4.2KTL
PV input rating					
Rated input voltage	360 Vd.c.				
Max. input voltage	600 Vd.c.				
MPPT voltage range	80~580 Vd.c.				
MPPT voltage range (full load)	190~480 Vd.c.	120~480 Vd.c.	135~480 Vd.c.	145~480 Vd.c.	150~480 Vd.c.
Number of MPP trackers	1	2			
Strings per MPP Tracker	1	1/1			
Maximum continue input current per MPPT	20 Ad.c.	20/20 Ad.c.			
Isc PV	26 Ad.c.	26/26 Ad.c.			
Grid output rating					
Rated output voltage	1/N/PE, 230 Va.c.				
Rated output frequency	50 Hz				
Rate output active power	3000 W		3680 W	4000 W	4200 W
Rate output current	13 Aa.c.		16 Aa.c.	17.4 Aa.c.	18.3 Aa.c.
Maximum output apparent power	3300 VA		3680 VA	4400 VA	4620 VA
Maximum continuous output current	15 Aa.c.		16 Aa.c.	20 Aa.c.	21 Aa.c.
Power factor	0.8 leading ~ 0.8 lagging				
General parameter					
Ingress protection rating	IP66				
Ambient temperature range	-30℃ ~+60℃				
Protect class	I				
Operating Altitude	≤4000 m				

CERTIFICATE

No. B 093811 0084 Rev. 00

Model	iMars XG4.6KTL	iMars XG5KTL	iMars XG6KTL	iMars XG7KTL	iMars XG7KTL1
PV input rating					
Rated input voltage	360 Vd.c.				
Max. input voltage	600 Vd.c.				
MPPT voltage range	80~580 Vd.c.				
MPPT voltage range (full load)	160~480 Vd.c.	170~480 Vd.c.	190~480 Vd.c.	230~480 Vd.c.	
Number of MPP trackers	2				
Strings per MPP Tracker	1/1				1/2
Maximum continue input current per MPPT	20/20 Ad.c.				28/14 Ad.c.
Isc PV	26/26 Ad.c.				36.4/18.2 Ad.c.
Grid output rating					
Rated output voltage	1/N/PE, 230 Va.c.				
Rated output frequency	50 Hz				
Rate output active power	4600 W	5000 W	6000 W	7000 W	
Rate output current	20 Aa.c.	21.7 Aa.c.	26.1 Aa.c.	30.4 Aa.c.	
Maximum output apparent power	5000 VA	5500 VA	6600 VA	7700 VA	7700 VA
Maximum continuous output current	23 Aa.c.	25 Aa.c	30 Aa.c.	35 Aa.c.	35 Aa.c.
Power factor	0.8 leading ~ 0.8 lagging				
General parameter					
Ingress protection rating	IP66				
Ambient temperature range	-30°C ~+60°C				
Protect class	I				
Operating Altitude	≤4000 m				

CERTIFICATE

No. B 093811 0084 Rev. 00

Model	iMars XG8KTL	iMars XG8KTL1	iMars XG10KTL	iMars XG10KTL -AU	iMars XG10KTL1	iMars XG10KTL1 -AU
PV input rating						
Rated input voltage	360 Vd.c.					
Max. input voltage	600 Vd.c.					
MPPT voltage range	80~580 Vd.c.					
MPPT voltage range (full load)	250~480 Vd.c.		290~480 Vd.c.			
Number of MPP trackers	2					
Strings per MPP Tracker	1/1	1/2	1/1		1/2	
Maximum continue input current per MPPT	20/20 Ad.c.	28/14 Ad.c.	20/20 Ad.c.		28/14 Ad.c.	
Isc PV	26/26 Ad.c.	36.4/18.2 Ad.c.	26/26 Ad.c.		36.4/18.2 Ad.c.	
Grid output rating						
Rated output voltage	1/N/PE, 230 Va.c.					
Rated output frequency	50 Hz					
Rate output active power	8000 W		10000 W	9999 W	10000 W	9999 W
Rate output current	34.8 Aa.c.		43.5 Aa.c.			
Maximum output apparent power	8800 VA		10000 VA	9999 VA	10000 VA	9999 VA
Maximum continuous output current	40 Aa.c.		43.5 Aa.c.			
Power factor	0.8 leading ~ 0.8 lagging					
General parameter						
Ingress protection rating	IP66					
Ambient temperature range	-30℃ ~+60℃					
Protect class	I					
Operating Altitude	≤4000 m					

Tested according to: IEC 62109-1:2010
 EN 62109-1:2010
 IEC 62109-2:2011
 EN 62109-2:2011