



Product Service

Attestation of Conformity

No. N8A 093811 0065 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
(Grid-tied Solar Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223040501

Date, 2022-09-16

(Billy Qiu)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

Attestation of Conformity

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Model(s):

**iMars XG3KTR, iMars XG4KTR, iMars XG5KTR,
iMars XG6KTR, iMars XG8KTR, iMars XG9KTR,
iMars XG10KTR, iMars XG11KTR, iMars XG12KTR,
iMars XG15KTR1,
iMars XG3KTR-S, iMars XG4KTR-S,
iMars XG5KTR-S, iMars XG6KTR-S,
iMars XG8KTR-S, iMars XG9KTR-S,
iMars XG10KTR-S, iMars XG11KTR-S,
iMars XG12KTR-S, iMars XG15KTR1-S,
iMars XG3KTR-AU, iMars XG4KTR-AU,
iMars XG5KTR-AU, iMars XG6KTR-AU,
iMars XG8KTR-AU, iMars XG9KTR-AU,
iMars XG10KTR-AU, iMars XG11KTR-AU,
iMars XG12KTR-AU, iMars XG15KTR1-AU**

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Parameters:

| Model: | iMars XG3KTR | iMars XG4KTR | iMars XG5KTR | iMars XG6KTR | iMars XG8KTR |
|---|---------------------------------------|-------------------|-------------------|-------------------|-------------------|
| 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 | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 250-850 Vd.c. | 250-850 Vd.c. | 250-850 Vd.c. | 250-850 Vd.c. | 320-850 Vd.c. |
| Maximum number of input string per tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Maximum continuous input current | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. |
| Isc PV | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400 Va.c. | | | | |
| Rated output frequency | 50/60 Hz | | | | |
| Maximum continuous output current | 4.8 Aa.c. | 6.4 Aa.c. | 8 Aa.c. | 9.6 Aa.c. | 12.8 Aa.c. |
| Rate output active power | 3 kW | 4 kW | 5 kW | 6 kW | 8 kW |
| Maximum output apparent power | 3.3 kVA | 4.4 kVA | 5.5 kVA | 6.6 kVA | 8.8 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |



Attestation of Conformity

No. N8A 093811 0065 Rev. 00

| Model: | iMars XG9KTR | iMars XG10KTR | iMars XG11KTR | iMars XG12KTR | iMars XG15KTR1 |
|--|---------------------------------------|----------------|----------------|----------------|----------------|
| 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 | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 400-850 Vd.c. | 450-850 Vd.c. | 450-850 Vd.c. | 480-850 Vd.c. | 500-850 Vd.c. |
| Maximum number of input string per tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 |
| Maximum continuous input current | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/28 Ad.c. |
| Isc PV | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/36 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400 Va.c. | | | | |
| Rated output frequency | 50/60 Hz | | | | |
| Maximum continuous output current | 14.4 Aa.c. | 15.9 Aa.c. | 17.5 Aa.c. | 19.1 Aa.c. | 23.9 Aa.c. |
| Rate output active power | 9 kW | 10 kW | 11 kW | 12 kW | 15 kW |
| Maximum output apparent power | 9.9 kVA | 11 kVA | 12.1 kVA | 13.2 kVA | 16.5 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |



Attestation of Conformity

No. N8A 093811 0065 Rev. 00

| Model: | iMars XG3KTR-S | iMars XG4KTR-S | iMars XG5KTR-S | iMars XG6KTR-S | iMars XG8KTR-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. | 600 Vd.c. | 600 Vd.c. |
| MPPT voltage range | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 200-850 Vd.c. | 200-850 Vd.c. | 200-850 Vd.c. | 200-850 Vd.c. | 360-850 Vd.c. |
| Maximum number of input string per tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Maximum continuous input current | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. |
| Isc PV | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400Va.c. | | | | |
| Rated output frequency | 50/60 Hz | | | | |
| Maximum continuous output current | 4.8 Aa.c. | 6.4 Aa.c. | 8 Aa.c. | 9.6 Aa.c. | 12.8 Aa.c. |
| Rate output active power | 3 kW | 4 kW | 5 kW | 6 kW | 8 kW |
| Maximum output apparent power | 3.3 kVA | 4.4 kVA | 5.5 kVA | 6.6 kVA | 8.8 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |



Attestation of Conformity

No. N8A 093811 0065 Rev. 00

| Model: | iMars XG9KTR-S | iMars XG10KTR- S | iMars XG11KTR- S | iMars XG12KTR- S | iMars XG15KTR1 -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. | 600 Vd.c. | 600 Vd.c. |
| MPPT voltage range | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 360-850 Vd.c. | 360-850 Vd.c. | 380-850 Vd.c. | 380-850 Vd.c. | 450-850 Vd.c. |
| Maximum number of input string per tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Maximum continuous input current | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. |
| Isc PV | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. | 25/25 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400 Va.c. | | | | |
| Rated output frequency | 50/60Hz | | | | |
| Maximum continuous output current | 14.4 Aa.c. | 15.9 Aa.c. | 17.5 Aa.c. | 19.1 Aa.c. | 23.9 Aa.c. |
| Rate output active power | 9 kW | 10 kW | 11 kW | 12 kW | 15 kW |
| Maximum output apparent power | 9.9 kVA | 11 kVA | 12.1 kVA | 13.2 kVA | 16.5 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |



Attestation of Conformity

No. N8A 093811 0065 Rev. 00

| Model: | iMars XG3KTR- AU | iMars XG4KTR- AU | iMars XG5KTR- AU | iMars XG6KTR- AU | iMars XG8KTR- AU |
|---|---------------------------------------|------------------------|------------------------|------------------------|------------------------|
| 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 | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 250-850 Vd.c. | 250-850 Vd.c. | 250-850 Vd.c. | 250-850 Vd.c. | 320-850 Vd.c. |
| Maximum number of input string per tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 |
| Maximum continuous input current | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/14 Ad.c. | 14/28 Ad.c. |
| Isc PV | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/18 Ad.c. | 18/36 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400 Va.c. | | | | |
| Rated output frequency | 50/60 Hz | | | | |
| Maximum continuous output current | 4.3 Aa.c. | 5.8 Aa.c. | 7.2 Aa.c. | 8.7 Aa.c. | 11.6 Aa.c. |
| Rate output active power | 3 kW | 4 kW | 5 kW | 6 kW | 8 kW |
| Maximum output apparent power | 3 kVA | 4 kVA | 5 kVA | 6 kVA | 8 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |



Attestation of Conformity

No. N8A 093811 0065 Rev. 00

| Model: | iMars XG9KTR- AU | iMars XG10KTR- AU | iMars XG11KTR- AU | iMars XG12KTR- AU | iMars XG15KTR1 - AU |
|--|---------------------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| PV input terminal parameters: | | | | | |
| V _{max} 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 | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. | 180-1000 Vd.c. |
| MPPT voltage range (full load) | 400-850 Vd.c. | 450-850 Vd.c. | 450-850 Vd.c. | 480-850 Vd.c. | 500-850 Vd.c. |
| Maximum number of input string per tracker | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| Maximum continuous input current | 14/28 Ad.c. | 14/28 Ad.c. | 14/28 Ad.c. | 14/28 Ad.c. | 14/28 Ad.c. |
| I _{sc} PV | 18/36 Ad.c. | 18/36 Ad.c. | 18/36 Ad.c. | 18/36 Ad.c. | 18/36 Ad.c. |
| AC output rating | | | | | |
| Rated output voltage | 3/N/PE, 230/400Va.c. | | | | |
| Rated output frequency | 50/60Hz | | | | |
| Maximum continuous output current | 13 Aa.c. | 14.5 Aa.c. | 16 Aa.c. | 17.4 Aa.c. | 21.7 Aa.c. |
| Rate output active power | 9 kW | 10 kW | 11 kW | 12 kW | 15 kW |
| Maximum output apparent power | 9 kVA | 10 kVA | 11 kVA | 12 kVA | 15 kVA |
| Power factor | 0.8 leading ~ 0.8 lagging | | | | |
| General | | | | | |
| Operating temperature range | -30°C ~+60°C (derating above at 45°C) | | | | |
| Protection class | I | | | | |
| Ingress protection | IP66 | | | | |
| Operating altitude range | ≤4000m | | | | |

Tested according to:

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

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