



Product Service

Compliance Document

No. D 093811 0061 Rev. 00

Holder of Certificate: **INVT Solar Technology
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PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(PV Grid-connected inverter)**

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(Billy Qiu)

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Model(s):

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

Parameters:

| Model | iMars XG3KTR | iMars XG4KTR | iMars XG5KTR |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 250 ~ 850 Vd.c. | 250 ~ 850 Vd.c. | 250 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | |
| Max. number of input string per tracker | 1 | | |
| Max. continuous PV input current per tracker | 14 Ad.c. | | |
| Isc PV per tracker | 18 Ad.c. | | |
| Max. continuous PV input power | 4800 W | 6400 W | 8000 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 4.8 Aa.c. | 6.4 Aa.c. | 8 Aa.c. |
| Rated continuous output power | 3000 W | 4000 W | 5000 W |
| Maximum output apparent power | 3300 VA | 4400 VA | 5500 VA |

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| Model | iMars XG6KTR | iMars XG8KTR | iMars XG9KTR |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 250 ~ 850 Vd.c. | 320 ~ 850 Vd.c. | 400 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | |
| Max. number of input string per tracker | 1 | | |
| Max. continuous PV input current per tracker | 14 Ad.c. | | |
| Isc PV per tracker | 18 Ad.c. | | |
| Max. continuous PV input power | 9600 W | 12800 W | 14400 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 9.6 Aa.c. | 12.8 Aa.c. | 14.4 Aa.c. |
| Rated continuous output power | 6000 W | 8000 W | 9000 W |
| Maximum output apparent power | 6600 VA | 8800 VA | 9900 VA |

| Model | iMars XG10KTR | iMars XG11KTR | iMars XG12KTR | iMars XG15KTR1 |
|--|-------------------------|------------------|-----------------|-----------------|
| PV terminal | | | | |
| Vmax. PV | 1100Vd.c. | | | |
| Rate Voltage | 600Vd.c. | | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | | |
| MPPT Voltage Range (full load) | 450 ~ 850 Vd.c. | 450 ~ 850 Vd.c.. | 480 ~ 850 Vd.c. | 500 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | | |
| Max. number of input string per tracker | 1 | | | 1/2 |
| Max. continuous PV input current per tracker | 14 Ad.c. | | | 14/28 Ad.c. |
| Isc PV per tracker | 18 Ad.c. | | | 18/36 Ad.c. |
| Max. continuous PV input power | 16000 W | 17600 W | 19200 W | 24000 W |
| Grid terminal parameter | | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | | |
| Rated frequency | 50/60Hz | | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | | |
| Maximum continuous output current | 15.9 Aa.c. | 17.5 Aa.c. | 19.1 Aa.c. | 23.9 Aa.c. |
| Rated continuous output power | 10000 W | 11000 W | 12000 W | 15000 W |
| Maximum output apparent power | 11000 VA | 12100 VA | 13200 VA | 16500 W |

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| Model | iMars XG3KTR-S | iMars XG4KTR-S | iMars XG5KTR-S |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 200 ~ 850 Vd.c. | 200 ~ 850 Vd.c. | 200 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | |
| Max. number of input string per tracker | 1 | | |
| Max. continuous PV input current per tracker | 18 Ad.c. | | |
| Isc PV per tracker | 25 Ad.c. | | |
| Max. continuous PV input power | 4800 W | 6400 W | 8000 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 4.8 Aa.c. | 6.4 Aa.c. | 8 Aa.c. |
| Rated continuous output power | 3000 W | 4000 W | 5000 W |
| Maximum output apparent power | 3300 VA | 4400 VA | 5500 VA |

| Model | iMars XG6KTR-S | iMars XG8KTR-S | iMars XG9KTR-S |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 200 ~ 850 Vd.c. | 360 ~ 850 Vd.c. | 360 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | |
| Max. number of input string per tracker | 1 | | |
| Max. continuous PV input current per tracker | 18 Ad.c. | | |
| Isc PV per tracker | 25 Ad.c. | | |
| Max. continuous PV input power | 9600 W | 12800 W | 14400 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 9.6 Aa.c. | 12.8 Aa.c. | 14.4 Aa.c. |
| Rated continuous output power | 6000 W | 8000 W | 9000 W |
| Maximum output apparent power | 6600 VA | 8800 VA | 9900 VA |

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| Model | iMars XG10KTR-S | iMars XG11KTR-S | iMars XG12KTR-S | iMars XG15KTR-S |
|--|-------------------------|------------------|-----------------|-----------------|
| PV terminal | | | | |
| Vmax. PV | 1100 Vd.c. | | | |
| Rate Voltage | 600 Vd.c. | | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | | |
| MPPT Voltage Range (full load) | 360 ~ 850 Vd.c. | 380 ~ 850 Vd.c.. | 380 ~ 850 Vd.c. | 450 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | | |
| Max. number of input string per tracker | 1 | | | |
| Max. continuous PV input current per tracker | 18 Ad.c. | | | |
| Isc PV per tracker | 25 Ad.c. | | | |
| Max. continuous PV input power | 16000 W | 17600 W | 19200 W | 24000 W |
| Grid terminal parameter | | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | | |
| Rated frequency | 50/60Hz | | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | | |
| Maximum continuous output current | 15.9 Aa.c. | 17.5 Aa.c. | 19.1 Aa.c. | 23.9 Aa.c. |
| Rated continuous output power | 10000 W | 11000 W | 12000 W | 15000W |
| Maximum output apparent power | 11000 VA | 12100 VA | 13200 VA | 16500W |

| Model | iMars XG3KTR-AU | iMars XG4KTR-AU | iMars XG5KTR-AU |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 250 ~ 850 Vd.c. | 250 ~ 850 Vd.c. | 250 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | |
| Max. number of input string per tracker | 1 | | |
| Max. continuous PV input current per tracker | 14 Ad.c. | | |
| Isc PV per tracker | 18 Ad.c. | | |
| Max. continuous PV input power | 4800 W | 6400 W | 8000 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 4.3 Aa.c. | 5.8 Aa.c. | 7.2 Aa.c. |
| Rated continuous output power | 3000 W | 4000 W | 5000 W |
| Maximum output apparent power | 3000 VA | 4000 VA | 5000 VA |

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| Model | iMars XG6KTR-AU | iMars XG8KTR-AU | iMars XG9KTR-AU |
|--|-------------------------|-----------------|-----------------|
| PV terminal | | | |
| Vmax. PV | 1100 Vd.c. | | |
| Rate Voltage | 600 Vd.c. | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | |
| MPPT Voltage Range (full load) | 250 ~ 850 Vd.c. | 320 ~ 850 Vd.c. | 400 ~ 850 Vd.c. |
| MPPT Tracker number | 1/2 | | |
| Max. number of input string per tracker | 1 | 1/2 | |
| Max. continuous PV input current per tracker | 14 Ad.c. | 14/28 Ad.c. | |
| Isc PV per tracker | 18 Ad.c. | 18/36 Ad.c. | |
| Max. continuous PV input power | 9600 W | 12800 W | 14400 W |
| Grid terminal parameter | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | |
| Rated frequency | 50/60Hz | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | |
| Maximum continuous output current | 8.7 Aa.c. | 11.6 Aa.c. | 13.0 Aa.c. |
| Rated continuous output power | 6000 W | 8000 W | 9000 W |
| Maximum output apparent power | 6000 VA | 8000 VA | 9000 VA |

| Model | iMars XG10KTR-AU | iMars XG11KTR-AU | iMars XG12KTR-AU | iMars XG15KTR1-AU |
|--|-------------------------|------------------|------------------|-------------------|
| PV terminal | | | | |
| Vmax. PV | 1100 Vd.c. | | | |
| Rate Voltage | 600 Vd.c. | | | |
| MPPT Voltage Range | 180~1000 Vd.c. | | | |
| MPPT Voltage Range (full load) | 450 ~ 850 Vd.c. | 450 ~ 850 Vd.c.. | 480 ~ 850 Vd.c. | 500 ~ 850 Vd.c. |
| MPPT Tracker number | 2 | | | |
| Max. number of input string per tracker | 1/2 | | | |
| Max. continuous PV input current per tracker | 14/18 Ad.c. | | | |
| Isc PV per tracker | 18/36 Ad.c. | | | |
| Max. continuous PV input power | 16000 W | 17600 W | 19200 W | 24000 W |
| Grid terminal parameter | | | | |
| Rated voltage | 3W+N+PE, 230/400 Va.c. | | | |
| Rated frequency | 50/60Hz | | | |
| Power factor (Cos phi), adjustable | 0.8 leading~0.8 lagging | | | |
| Maximum continuous output current | 14.5 Aa.c. | 16.0 Aa.c. | 17.4 Aa.c. | 21.7 Aa.c. |
| Rated continuous output power | 10000 W | 11000 W | 12000 W | 15000 W |
| Maximum output apparent power | 10000 VA | 11000 VA | 12000 VA | 15000 VA |



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**Tested
according to:**

IEC 61683:1999