

Compliance Document

No. D 093811 0069 Rev. 00

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

Product: **Converter
(Solar Inverter)**

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(Billy Qiu)

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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

Parameters:

Model:	iMars XG3KTR	iMars XG4KTR	iMars XG5KTR	iMars XG6KTR	iMars XG8KTR
PV input terminal parameters:					
V _{max} PV	1100 Vd.c.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	250-850 Vd.c.				320-850 Vd.c.
Maximum continuous input current	14/14 Ad.c.				
I _{sc} PV	18/18 Ad.c.				
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 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	0.9 leading ~ 0.9 lagging				

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Model:	iMars XG9KTR	iMars XG10KTR	iMars XG11KTR	iMars XG12KTR	iMars XG15KTR1
PV input terminal parameters:					
Vmax PV	1100 Vd.c.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	400-850 Vd.c.	450-850 Vd.c.		480-850 Vd.c.	500-850 Vd.c.
Maximum continuous input current	14/14 Ad.c.				14/28 Ad.c.
Isc PV	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 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	0.9 leading ~ 0.9 lagging				

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.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	200-850 Vd.c.				360-850 Vd.c.
Maximum continuous input current	18/18 Ad.c.				
Isc PV	25/25 Ad.c.				
AC output rating					
Rated output voltage	3/N/PE, 230/400Va.c.				
Rated output frequency	50 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	0.9 leading ~ 0.9 lagging				

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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.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	360-850 Vd.c.	380-850 Vd.c.		450-850 Vd.c.	
Maximum continuous input current	18/18 Ad.c.				
Isc PV	25/25 Ad.c.				
AC output rating					
Rated output voltage	3/N/PE, 230/400 Va.c.				
Rated output frequency	50 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	0.9 leading ~ 0.9 lagging				

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.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	250-850 Vd.c.				320-850 Vd.c.
Maximum continuous input current	14/14 Ad.c.				14/28 Ad.c.
Isc PV	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 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	0.9 leading ~ 0.9 lagging				

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Model:	iMars XG9KTR- AU	iMars XG10KTR- AU	iMars XG11KTR- AU	iMars XG12KTR- AU	iMars XG15KTR1 - AU
PV input terminal parameters:					
Vmax PV	1100 Vd.c.				
MPPT voltage range	180-1000 Vd.c.				
MPPT voltage range (full load)	400-850 Vd.c.	450-850 Vd.c.		480-850 Vd.c.	500-850 Vd.c.
Maximum continuous input current	14/28 Ad.c.				
Isc PV	18/36 Ad.c.				
AC output rating					
Rated output voltage	3/N/PE, 230/400Va.c.				
Rated output frequency	50 Hz				
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	0.9 leading ~ 0.9 lagging				

Tested according to:

C10/11:2021