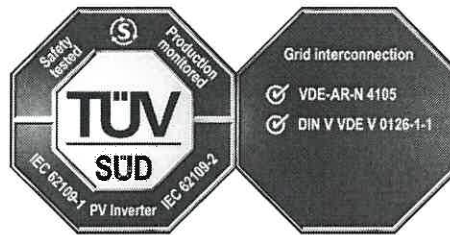




Product Service

# CERTIFICATE

No. Z2 17 09 93811 015

**Holder of Certificate:** **INVT Solar Technology  
(ShenZhen) Co., Ltd.**No.7 Building Gaofa Industrial Park, Longjing  
Nanshan District  
518055 Shenzhen  
PEOPLE'S REPUBLIC OF CHINA**Production  
Facility(ies):** 77238**Certification Mark:****Product:** **Converter  
(PV grid-interactive inverter)****Model(s):** **iMars BG4KTR, iMars BG5KTR, iMars BG6KTR,  
iMars BG4KTR-S, iMars BG5KTR-S, iMars BG8KTR,  
iMars BG10KTR****Parameters:** IP class: IP65  
Protective class: I  
See page 2-3 for more parameter details.**Tested according to:** IEC 62109-1(ed.1)  
EN 62109-1:2010  
IEC 62109-2(ed.1)  
EN 62109-2:2011  
DIN VDE 0126-1-1:2013  
VDE-AR-N 4105:2011  
DIN VDE V 0124-100:2012

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. See also notes overleaf.

**Test report no.:** 64290170017402**Valid until:** 2022-09-20**Date,** 2017-09-21  
(Billy Qiu)

Page 1 of 3





# CERTIFICATE

No. Z2 17 09 93811 015

Model	iMars BG4KTR	iMars BG5KTR	iMars BG6KTR
Vmax PV	900 Vd.c.	900 Vd.c.	900 Vd.c.
MPPT voltage range	200 – 800 Vd.c.	200 – 800 Vd.c.	200 – 800 Vd.c.
MPPT voltage range (full load)	210 – 800 Vd.c.	260 – 800 Vd.c.	310 – 800 Vd.c.
Isc PV	2x11 Ad.c.	2x11 Ad.c.	2x11 Ad.c.
Max. continuous PV input current	2x10 Ad.c.	2x10 Ad.c.	2x10 Ad.c.
MPPT tracker number Strings/string number per tracker	2 / 2	2 / 2	2 / 2
Max. continuous output current	6.4 Aa.c.	8 Aa.c.	9.6 Aa.c.
Nominal output voltage	3/N/PE, 230/400 Va.c.	3/N/PE, 230/400 Va.c.	3/N/PE, 230/400 Va.c.
Power factor, adjustable	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging
Nominal output frequency	50 Hz	50 Hz	50 Hz
Max. continuous output power	4000 VA	5000 VA	6000 VA
Operating temperature range	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
IP class	IP65	IP65	IP65
Protective class	I	I	I

Model	iMars BG4KTR-S	iMars BG5KTR-S	iMars BG8KTR	iMars BG10KTR
Vmax PV	900 Vd.c.	900 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT voltage range	200 – 800 Vd.c.	200 – 800 Vd.c.	200 – 800 Vd.c.	200 – 800 Vd.c.
MPPT voltage range (full load)	400 – 800 Vd.c.	450 – 800 Vd.c.	350 – 800 Vd.c.	400 – 800 Vd.c.
Isc PV	13 Ad.c.	13 Ad.c.	2x13 Ad.c.	2x14 Ad.c.
Max. continuous PV input current	12 Ad.c.	12 Ad.c.	2x12 Ad.c.	2x12.5 Ad.c.
MPPT tracker number / String number per tracker	1 / 1	1 / 1	2 / 2	2 / 2
Max.continuous output current	6.4 Aa.c.	8 Aa.c.	12.5 Aa.c.	14 Aa.c.
Nominal output voltage	3/N/PE, 230/400 Va.c.	3/N/PE, 230/400 Va.c.	3/N/PE, 230/400 Va.c.	3/N/PE, 230/400 Va.c.
Power factor, adjustable	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging	0.9 leading~0.9 lagging
Nominal output frequency	50 Hz	50 Hz	50 Hz	50 Hz
Max. continuous output power	4000 VA	5000 VA	8800 VA	9800 VA



Product Service

# CERTIFICATE

No. Z2 17 09 93811 015

Operating temperature range	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
IP class	IP65	IP65	IP65	IP65
Protective class	I	I	I	I

Test report no.: 64290170017402

Date, 2017-09-21