



Product Service

CERTIFICATE

No. Z2 075386 0083 Rev. 02

Holder of Certificate: **Shenzhen Kstar New Energy Company Limited**
The 9th Floor, R&D Building
Kstar Industrial Park, Guangming Hi-tech Industrial Zone
518107 Shenzhen, Guangdong Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter**
(PV grid-interactive 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.: 64290180199403

Valid until: 2026-07-14

Date, 2021-07-15

(Billy Qiu)

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Model(s): **KSG-60K-TL, KSG-70K-TL, KSG-75K-TL, KSG-80K-TL**

Parameters:

Model	KSG-60K-TL	KSG-70K-TL	KSG-75K-TL	KSG-80K-TL
V _{max} PV	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.	1100 Vd.c.
I _{SC} PV	45 Ad.c. × 4	45 Ad.c. × 4	60 Ad.c. × 2 45 Ad.c. × 2	60 Ad.c. × 2 45 Ad.c. × 2
PV input operating voltage range	200 ~ 1000 Vd.c.	200 ~ 1000 Vd.c.	200 ~ 1000 Vd.c.	200 ~ 1000 Vd.c.
Maximum operating PV input current	33 Ad.c. × 4	33 Ad.c. × 4	44 Ad.c. × 2 33 Ad.c. × 2	44 Ad.c. × 2 33 Ad.c. × 2
Nominal output voltage	3P /N/ PE, 230/ 400Va.c.	3P /N/ PE, 230/ 400Va.c.	3P /N/ PE, 230/ 400Va.c.	3P /N/ PE, 230/ 400Va.c.
Nominal output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Maximum continuous output current	95.3 Aa.c.	111.1 Aa.c.	109.0 Aa.c.	127.0 Aa.c.
Maximum continuous output power	66 KW	77 KW	75 KW	88 KW
Power factor (Cos φ)	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging	0.8 leading ~ 0.8 lagging
Protect class	I	I	I	I
Overvoltage category (OVC)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)	II (PV), III (Grid)
Pollution degree	PD 3	PD 3	PD 3	PD 3
Ingress protection	IP 65	IP 65	IP 65	IP 65
Ambient temperature range	-40°C to 60°C (derating above 45°C)	-40°C to 60°C (derating above 45°C)	-40°C to 60°C (derating above 45°C)	-40°C to 60°C (derating above 45°C)

**Tested
according to:**

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