



Product Service

CERTIFICATE

No. Z2 16 03 75386 035

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)**

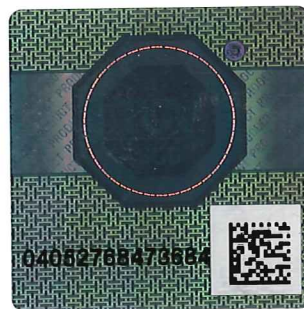
The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 64290160004001

Valid until: 2021-03-01

Date, 2016-03-03


(Billy Qiu)



Page 1 of 2



Product Service

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Model(s): KSG-10K, KSG-12K, KSG-15K, KSG-17K, KSG-20K

Parameters:

| | |
|---------------------------------------------------|------------------|
| V _{max} PV (Vd.c.): | 1000 |
| I _{sc} PV (Ad.c): | 15 x 2 (KSG-10K) |
| | 15 x 2 (KSG-12K) |
| | 23 x 2 (KSG-15K) |
| | 23 x 2 (KSG-17K) |
| | 23 x 2 (KSG-20K) |
| Maximum continuous a.c. output current (Aa.c): | 15 (KSG-10K) |
| | 18 (KSG-12K) |
| | 22 (KSG-15K) |
| | 25 (KSG-17K) |
| | 29 (KSG-20K) |
| Maximum continuous a.c. output power (kW): | 10 (KSG-10K) |
| | 12 (KSG-12K) |
| | 15 (KSG-15K) |
| | 17 (KSG-17K) |
| | 20 (KSG-20K) |
| Nominal AC voltage (Va.c.): | 3/N/PE |
| | 230/400 |
| Nominal a.c. output frequency (Hz): | 50 |
| Protective class: | I |
| IP code: | IP65 |

Tested according to:

- IEC 62109-1(ed.1)
- IEC 62109-2(ed.1)
- IEC 61727(ed.2)
- IEC 62116(ed.2)

Production Facility(ies): 76189 

Page 2 of 2



China

Choose certainty.
Add value.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu Ave. West Guangzhou, Guangdong, P. R. China

Shenzhen Kstar New Energy Company Limited
The 9th Floor, R&D Building Kstar Industrial Park, Guangming Hi-tech
Industrial Zone 518107 Shenzhen, Guangdong Province CHINA

| | | | |
|--------------------------|--------------------|-----------------------|-----------------|
| Your reference/letter of | Our reference/name | Tel. extension/e-mail | Fax extension |
| | | +86 20 3815 3209 | +86 20 38320478 |

Subject: Your TÜV SÜD CERTIFICATE

Dear Sir or Madame,

We are pleased to send you your below listed certificate(s) , which entitle you to label your certified product(s) with the respective certification mark as applicable.

| <u>Certificate No.</u> | <u>Product</u> | <u>Model</u> |
|---------------------------|------------------|--------------------------------------------------------|
| Z2 16 03 75386 035 | Converter | KSG-10K, KSG-12K, KSG-15K, KSG-17K, KSG-20K |

Further, we like to remind you on following information, which are applicable to all certificate holders:

- As a certificate holder, you have contractual obligations to the related TÜV SÜD certification body as outlined in global "Testing and Certification Regulations" of TÜV SÜD, which you can receive from us or download at: <http://www.tuv-sud.cn/cn-en/terms-and-conditions>.
- If the products listed on the certificate will be exported to European Market, the name of the certificate holder (manufacturer) and the name and address of the importer or authorized representative based within the European Economic Area must be clearly affixed on the product or where that is not possible, on the packaging or in a document accompanying the product.
- The annual license fee will be 6 units for maintaining the validity of the certificate.
- To ensure that the validity of the certificate is not jeopardized, please inform us about any change in your production or of the product itself (this also includes changes to the user manual or rating label)
- If you want to stop the renewal of the above listed certificate(s) for the following year, please inform TÜV SÜD in writing by September 30 of the current year. If not received on time, the annual fee of the following year is to be paid and the cancellation will be done the year after.

If you have any question regarding your certificate(s) or the proper use of the certification mark on your products, please do not hesitate to contact us.

Yours sincerely,

Handwritten signature
2016.3.4.

TÜV SÜD Certification and Testing (China)
Co., Ltd Guangzhou Branch

HSBC Bank (China) Company Limited
Guangzhou Branch
Account No.:
629-129339-011 (RMB)
009-129339-055 (USD)
SWIFT Code: HSBCCNHGHZ

General Manager:
Mr. Likun Huang

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