



Product Service

CERTIFICATE

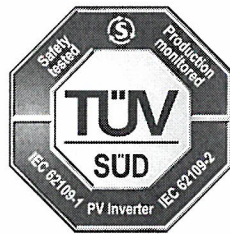
No. Z2 17 12 75386 073

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)

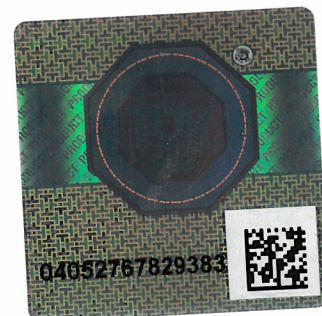
The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties.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

Test report no.: 64290160004503

Valid until: 2022-12-20

Date, 2017-12-21

Billy Qiu
 (Billy Qiu)





Product Service

CERTIFICATE

No. Z2 17 12 75386 073

Model(s):

**KSG-30K, KSG-36K-HV, KSG-50K,
KSG-50K-HV, KSG-60K, KSG-60K-HV**

Parameters:

V _{max} PV:	1000 Vd.c.
I _{sc} PV:	28 Ad.c. x 3 (KSG-30K) 28 Ad.c. x 3 (KSG-36K-HV) 38 Ad.c. x 3 (KSG-50K) 38 Ad.c. x 3 (KSG-50K-HV) 42 Ad.c. x 3 (KSG-60K) 42 Ad.c. x 3 (KSG-60K-HV)
Maximum continuous output current:	44 Aa.c. (KSG-30K) 44 Aa.c. (KSG-36K-HV) 72 Aa.c. (KSG-50K) 61 Aa.c. (KSG-50K-HV) 87 Aa.c. (KSG-60K) 72 Aa.c. (KSG-60K-HV)
Nominal output power:	30 kW (KSG-30K) 36 kW (KSG-36K-HV) 50 kW (KSG-50K) 50 kW (KSG-50K-HV) 60 kW (KSG-60K) 60 kW (KSG-60K-HV)
Maximum continuous output power:	33 kVA (KSG-30K) 40 kVA (KSG-36K-HV) 55 kVA (KSG-50K) 55 kVA (KSG-50K-HV) 66 kVA (KSG-60K) 66 kVA (KSG-60K-HV)
Nominal AC voltage:	3/N/PE 230/400 Va.c. (KSG-30K) 3~PE 480 Va.c. (KSG-36K-HV) 3/N/PE 230/400 Va.c. (KSG-50K) 3/N/PE 480 Va.c. (KSG-50K-HV) 3~PE 230/400 Va.c. (KSG-60K) 3~PE 480 Va.c. (KSG-60K-HV)
Nominal frequency:	50/60 Hz
Power factor (full load):	>0,99
Protective class:	I
Ingress protection:	IP65

Tested according to:

IEC 62109-1(ed.1)
EN 62109-1:2010
IEC 62109-2(ed.1)
EN 62109-2:2011

Production Facility(ies):

76189