

Certificate of Conformity

Registered No.:
COC PVP03008/23B-02

File reference
PVP03008/23B-03

Test report No.
TRPVP03008/23B/03

Date of issue
2023-09-27

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **Shenzhen KSTAR New Energy Company Limited**
The 9th floor, R&D building, KSTAR Industrial Park Guangming Hi-Tech Industrial Zone, Shenzhen 518107, Guangdong Province, P.R. China

Manufacturer: **Shenzhen KSTAR New Energy Company Limited**
The 9th floor, R&D building, KSTAR Industrial Park Guangming Hi-Tech Industrial Zone, Shenzhen 518107, Guangdong Province, P.R. China

Factory: **Shenzhen KSTAR Science & Technology Co., Ltd. Guangming Branch**
Kstar Tech-Industrial Park, 7th Road, Western Area, Hi-Tech Industrial Zone, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, P.R. China

Product: Grid-Connected PV Inverter

Type designation: G40KT, G40KT1, G40KT2, G40KT3, G50KT, G50KT1, G60KT, G60KT1, G70KT, G70KT1, G75KT, G75KT1, G80KT, G80KT1
Three phase, Firmware version: DSP: 0.2.0, ARM: 0.3.7

Type of equipment: Interface device
 Interface protection
 Static conversion device
 Rotary generation device

Remark: The device is above 11.08kVA.

Certification program: BOS-P-01 Rev. 00



Renewable Energy

BOS&ESS-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

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P.R. China

Version 1.0

Certification fundamental(s): CEI 0-21:2019-04, CEI 0-21:2020-12
CEI 0-21:2022-03, CEI 0-21;V1:2022-11
See test report for detailed information.

Certification body: **TÜV NORD (HANGZHOU) CO., LTD.**
Room B409, Building 1, No. 9, Jiuhuan Road, Shangcheng District,
Hangzhou City, Zhejiang Province, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.
CNAS C183-P.

Testing laboratory: **Dongguan BALUN Testing Technology Co., Ltd.**
Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan
Lake District, Dongguan, Guangdong, China
Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.
CNAS L14701

Conclusion: After verifying following documents, it is concluded that the product is in compliance with the requirements of CEI 0-21:2019-04, CEI 0-21:2020-12, CEI 0-21:2022-03, CEI 0-21;V1:2022-11

ISO 9001 certificate:
Certificate no. HK03/0243, issued by SGS United Kingdom Ltd.

Test report of CEI 0-21:2019-04, CEI 0-21:2020-12, CEI 0-21:2022-03, CEI 0-21;V1:2022-11:
Report no. BL-DG2390505 -201, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701

Test report of EMC:
Report no. BL-DG2330033-401, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701.
Report no. SET-20230824W10260, issued by CCIC Southern Testing CO., Ltd, accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L1659

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Description of product(s):

	G80KT	G80KT1	G75KT	G75KT1	G70KT	G70KT1	G60KT	G60KT1
PV terminal								
Vmax [V d.c.]	1100							
MPP voltage range [V d.c.]	200-1000							
Isc [V d.c.]	60*4	60*4	60*4	60*4	60*4	60*4	48*4	60/60/3 0/30
I _{max} [V d.c.]	45*4	45*4	45*4	45*4	45*4	45*4	32*4	40/40/2 0/20
Number of MPPT tracking	4							
String of each MPPT	3/3/3/3	2/2/2/2	3/3/3/3	2/2/2/2	3/3/3/3	2/2/2/2	2/2/2/2	2/2/1/1
AC terminal								
Rated output voltage [V a.c.]	380/400, 3P+PE(+N)							
Rated output frequency [Hz]	50/60							
Rated output current [A a.c.]	115.9	115.9	113.6	113.6	106.1	106.1	90.9	90.9
Max. output current [A a.c.]	127.5	127.5	125.0	125.0	116.7	116.7	100.0	100.0
Rated output power [kW a.c.]	80.0	80.0	75.0	75.0	70.0	70.0	60.0	60.0
Max. apparent power [kVA a.c.]	88.0	88.0	82.5	82.5	77.0	77.0	66.0	66.0
Power factor	0.8 lagging to 0.8 leading							
General								
Ambient temperature [°C]	-25 ~60							
Ingress protection	IP66							
Protective class	I							

	G50KT	G50KT1	G40KT	G40KT1	G40KT2	G40KT3
PV terminal						
Vmax [V d.c.]	1100					
MPP voltage range [V d.c.]	200-1000					
Isc [V d.c.]	48*4	60/30/30/30	48*3	60/30/30	48*4	30*4
I _{max} [V d.c.]	32*4	40/20/20/20	32*3	40/20/20	32*4	20*4
Number of MPPT tracking	4	4	3	3	4	4
String of each MPPT	2/2/2/2	2/1/1/1	2/2/2	2/1/1	2/2/2/2	1/1/1/1
AC terminal						
Rated output voltage [V a.c.]	380/400, 3P+PE(+N)					
Rated output frequency [Hz]	50/60					
Rated output current [A a.c.]	75.8	75.8	60.6	60.6	60.6	60.6
Max. output current [A a.c.]	83.3	83.3	66.7	66.7	66.7	66.7
Rated output power [kW a.c.]	50.0	50.0	40.0	40.0	40.0	40.0
Max. apparent power [kVA a.c.]	55.0	55.0	44.0	44.0	44.0	44.0
Power factor	0.8 lagging to 0.8 leading					
General						
Ambient temperature [°C]	-25 ~60					
Ingress protection	IP66					
Protective class	I					



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