

Certificate of Conformity

Registered No.:

COCPVP03041/21B-09

File reference
PVP03041/21B-07

Test report No.
TRPVP03041/21B/07

Date of issue
2023-04-21

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, Guangdong Province, 518107, PEOPLE'S REPUBLIC OF CHINA

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

Factory : **Shenzhen KSTAR Science & Technology Co., Ltd. Guangming Branch**
Kstar High Tech Park, Guangming High Technology Town, Gongming Street, Bao'an District, Shenzhen, Guangdong Province, 516229, PEOPLE'S REPUBLIC OF CHINA

Product: Grid-Connected PV Inverter

Type designation: KSG-25KT-M0, KSG-25KT-M1, KSG-25KT-M2, KSG-25KT-M3, KSG-30KT-M0, KSG-30KT-M1, KSG-30KT-M2, KSG-30KT-M3, KSG-30KT-M4, KSG-30KT-M5, KSG-33KT-M0, KSG-33KT-M1, KSG-33KT-M2, KSG-33KT-M3, KSG-33KT-M4, KSG-33KT-M5, KSG-36KT-M0, KSG-36KT-M1, KSG-36KT-M2, KSG-36KT-M3, KSG-36KT-M4, KSG-36KT-M5, KSG-40KT-M0, KSG-40KT-M1, KSG-40KT-M2, KSG-40KT-M3, KSG-40KT-M4, KSG-40KT-M5

Type of equipment:

- Interface device
- Interface protection
- Static conversion device
- Rotary generation device



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Remark: The device is above 11.08kVA.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2019-04, CEI 0-21;V1:2020-12, CEI 0-21:2022-03 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"
See test report for detailed information.

Certification body: **TÜV NORD (HANGZHOU) CO., LTD.**
Room B409, Building 1, No. 9, Jiujuan 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;V1:2020-12, CEI 0-21:2022-03.

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

Test report of CEI 0-21:2019-04, CEI 0-21;V1:2020-12, CEI 0-21:2022-03:
Report no. BL-DG2140414-B02, 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-DG2120369-401, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701.
Report no. SET2023-02741, issued by CCIC Southern Testing CO., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L1659.



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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).

A handwritten signature in blue ink, appearing to read "Zhang Peng" or similar, written in a cursive style.

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Version 1.4

Description of product(s):

Model types:	KSG-25KT-M0	KSG-25KT-M1	KSG-25KT-M2	KSG-25KT-M3	KSG-30KT-M0
General information					
Firmware:	0.0.0				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	200 - 1000				
Isc PV [A d.c.]:	40/40/40	40/40/40	60/60	60/60	40/40/40
Max. input current [A d.c.]:	26/26/26	30/30/30	36/36	40/40	26/26/26
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]:	400/230, 3P+N+PE				
Rated output frequency [Hz]:	50/60				
Rated output power [kW]:	25.0	25.0	25.0	25.0	30.0
Max. apparent power [kVA]:	27.5	27.5	27.5	27.5	33.0
Max. output current [A a.c.]:	39.9	39.9	39.9	39.9	47.8
Power factor $\cos\phi$ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				

Model types:	KSG-30KT-M1	KSG-30KT-M2	KSG-30KT-M3	KSG-30KT-M4	KSG-30KT-M5
General information					
Firmware:	0.0.0				
PV input					
Vmax PV [V d.c.]:	1100				



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Mpp voltage range [V d.c.]:	200 - 1000				
Isc PV [A d.c.]:	40/40/40	60/60/30	60/60/30	60/60	60/60/40
Max. input current [A d.c.]:	30/30/30	36/36/18	40/40/20	40/40	39/39/26
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]:	400/230, 3P+N+PE				
Rated output frequency [Hz]:	50/60				
Rated output power [kW]:	30.0	30.0	30.0	30.0	30.0
Max. apparent power [kVA]:	33.0	33.0	33.0	33.0	33.0
Max. output current [A a.c.]:	47.8	47.8	47.8	47.8	47.8
Power factor cos ϕ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				

Model types:	KSG-33KT-M0	KSG-33KT-M1	KSG-33KT-M2	KSG-33KT-M3	KSG-33KT-M4
General information					
Firmware:	0.0.0				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	200 - 1000				
Isc PV [A d.c.]:	40/40/40	40/40/40	60/60/30	60/60/30	60/60
Max. input current [A d.c.]:	26/26/26	30/30/30	36/36/18	40/40/20	40/40
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					



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Rated output voltage [V a.c.]:	400/230, 3P+N+PE				
Rated output frequency [Hz]:	50/60				
Rated output power [kW]:	33.0	33.0	33.0	33.0	33.0
Max. apparent power [kVA]:	36.3	36.3	36.3	36.3	36.3
Max. output current [A a.c.]:	52.6	52.6	52.6	52.6	52.6
Power factor $\cos\phi$ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				

Model types:	KSG-33KT-M5	KSG-36KT-M0	KSG-36KT-M1	KSG-36KT-M2	KSG-36KT-M3
General information					
Firmware:	0.0.0				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	200 - 1000				
Isc PV [A d.c.]:	60/60/40	40/40/40	40/40/40	60/60/30	60/60/30
Max. input current [A d.c.]:	39/39/26	26/26/26	30/30/30	36/36/18	40/40/20
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]:	400/230, 3P+N+PE				
Rated output frequency [Hz]:	50/60				
Rated output power [kW]:	33.0	36.0	36.0	36.0	36.0
Max. apparent power [kVA]:	36.3	39.6	39.6	39.6	39.6

Max. output current [A a.c.]:	52.6	57.3	57.3	57.3	57.3
Power factor $\cos\phi$ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				

Model types:	KSG-36KT-M4	KSG-36KT-M5	KSG-40KT-M0	KSG-40KT-M1	KSG-40KT-M2
General information					
Firmware:	0.0.0				
PV input					
Vmax PV [V d.c.]:	1100				
Mpp voltage range [V d.c.]:	200 - 1000				
Isc PV [A d.c.]:	60/60	60/60/40	40/40/40	40/40/40	60/60/30
Max. input current [A d.c.]:	40/40	39/39/26	26/26/26	30/30/30	36/36/18
Overvoltage category (OVC):	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]:	400/230, 3P+N+PE				
Rated output frequency [Hz]:	50/60				
Rated output power [kW]:	36.0	36.0	40.0	40.0	40.0
Max. apparent power [kVA]:	39.6	39.6	44.0	44.0	44.0
Max. output current [A a.c.]:	57.3	57.3	63.8	63.8	63.8
Power factor $\cos\phi$ [λ]:	0.8 leading ... 1 ... 0.8 lagging				
Overvoltage category (OVC):	III				



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Model types:	KSG-40KT-M3	KSG-40KT-M4	KSG-40KT-M5
General information			
Firmware:	0.0.0		
PV input			
Vmax PV [V d.c.]:	1100		
Mpp voltage range [V d.c.]:	200 - 1000		
Isc PV [A d.c.]:	60/60/30	60/60	60/60/40
Max. input current [A d.c.]:	40/40/20	40/40	39/39/26
Overvoltage category (OVC):	II		
AC output (Grid Side) parameters			
Rated output voltage [V a.c.]:	400/230, 3P+N+PE		
Rated output frequency [Hz]:	50/60		
Rated output power [kW]:	40.0	40.0	40.0
Max. apparent power [kVA]:	44.0	44.0	44.0
Max. output current [A a.c.]:	63.8	63.8	63.8
Power factor cos ϕ [λ]:	0.8 leading ... 1 ... 0.8 lagging		
Overvoltage category (OVC):	III		