

Certificate of Conformity

Registered No.:
COC PVP06086/24B-02

File reference
PVP06086/24B-06

Test report No.
TRPVP06086/24B/06

Date of issue
2024-08-06

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: **BLUESUN SOLAR CO.LTD**
BUILDING NO.7,1499 ZHENXING ROAD SHUSHAN DIST. 230031
HEFEI CHINA

Manufacturer: **BLUESUN SOLAR CO.LTD**
BUILDING NO.7,1499 ZHENXING ROAD SHUSHAN DIST. 230031
HEFEI CHINA

Factory 1: **Coded by debtor no. 55526985**

Product: Grid-Connected PV Inverter

Type designation: BSM100K-B, BSM110K-B, BSM110K-B1, BSM110K-B2, BSM110K-B3,
BSM125K-B, BSM125K-B1, BSM125K-B2, BSM125K-B3,
BSM125K-B5, BSM125K-B6, BSM125K-B7, BSM125K-B8

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

Remark: The device is for plants of each power.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-16:2019-04, CEI 0-16;V1:2020-12, CEI 0-16;V2:2021-06, CEI 0-16:2022-03, CEI 0-16;V1:2022-11, CEI 0-16;V2:2023-05

“Reference technical regulation for the connection of active and passive users to the HV and MV networks of electricity distribution companies”

See test report for detailed information.



Renewable Energy

GRID-T-004 COC



中国认可
产品
PRODUCT
CNAS C183-P

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TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Version 1.1

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 0-16:2019-04,
CEI 0-16;V1:2020-12, CEI 0-16;V2:2021-06, CEI 0-16:2022-03,
CEI 0-16;V1:2022-11, CEI 0-16;V2:2023-05.

ISO 9001 certificate:

Certificate no. HK03/0243, issued by SGS United Kingdom Ltd.

Test report of CEI 0-16:2019-04, CEI 0-16;V1:2020-12,
CEI 0-16;V2:2021-06, CEI 0-16:2022-03, CEI 0-16;V1:2022-11,
CEI 0-16;V2:2023-05:

Report no. BL-DG2470183-201, issued by Dongguan BALUN
Technology Co., Ltd., accredited by CNAS according to ISO/IEC
17025:2017, certificate no. CNAS L14701

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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Version 1.1

Description of product(s):

Model types:	BSM100 K-B	BSM110 K-B	BSM110 K-B1	BSM110 K-B2	BSM110 K-B3	BSM125 K-B	BSM125 K-B1
General information							
Firmware version :	DSP1: V0.1.0, DSP2: V1.3.0, ARM: V3.0.0						
PV input							
Vmax PV [V d.c.] .:	1100						
Mpp voltage range [V d.c.] :	200-1000						
Isc PV [A d.c.]:	48	60	48	60	60	60	48
Max. input current [A d.c.]..... :	32	45	32	45	45	45	32
Overvoltage category (OVC) ..:	II						
AC output (Grid Side) parameters							
Rated output voltage [V a.c.] ...:	230/400, 3P+PE(+N)						
Rated output frequency [Hz] ...:	50/60						
Rated output power [kW].....:	100	110	110	110	110	125	125
Max. apparent power [kVA]:	110	121	121	121	121	137.5	137.5
Max. output current [A a.c.].....:	159.4	175.4	175.4	175.4	175.4	199.3	199.3
Power factor cosφ [λ]:	0.8 leading... 0.8 lagging						
Overvoltage category (OVC) ..:	III						



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Model types:	BSM125K-B2	BSM125K-B3	BSM125K-B5	BSM125K-B6	BSM125K-B7	BSM125K-B8
General information						
Firmware version :	DSP1: V0.1.0, DSP2: V1.3.0, ARM: V3.0.0					
PV input						
Vmax PV [V d.c.] ..:	1100					
Mpp voltage range [V d.c.]	200-1000					
Isc PV [A d.c.]	60	60	60	48	60	60
Max. input current [A d.c.]	45	45	45	32	45	45
Overvoltage category (OVC) ..:	II					
AC output (Grid Side) parameters						
Rated output voltage [V a.c.] ...:	380/400, 3P+PE(+N)					
Rated output frequency [Hz] ...:	50/60					
Rated output power [kW]	125	125	125	125	125	125
Max. apparent power [kVA]	137.5	137.5	125	125	125	125
Max. output current [A a.c.]	199.3	199.3	181.2	181.2	181.2	181.2
Power factor cosφ [λ]	0.8 leading...0.8 lagging					
Overvoltage category (OVC) ..:	III					



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