

Certificate of Conformity

Certificate Number: CN-PV-220221

On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced standards at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacturer. The manufacturer shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Bluesun Solar Co., Ltd. 1499 Zhenxing Road, Shushan District Hefei City, Anhui Province, 230031, P.R.China
Product:	Grid interactive PV inverter
Ratings & Principal Characteristics:	See appendix of Certificate of Conformity
Model:	BSM xx K-B (xx=36, 40, 50, 60, 70 and 75)
Brand Name:	BLUESUN PV
Product Complies with:	EN 50549-1: 2019
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Test Report No.:	Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012 220802451SHA-001

Additional information in Appendix.



Signature

Certification Manager: Qiao Qiao
Date: 24 October 2022



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220221

Ratings & Principal Characteristics:

Specifications table			
Model	BSM36K-B	BSM40K-B	BSM50K-B
<i>Input:</i>			
Vmax PV (Vdc)	1100	1100	1100
Isc PV (absolute Max.) (A)	2*67.5	2*81	2*90
Number MPP trackers	2	2	2
Number input strings	6	9	9
Max. PV input current(A)	2*45	2*54	2*60
MPPT voltage range (Vdc)	200-1000	200-1000	200-1000
<i>Output</i>			
Normal Voltage(V)	3φ/N/PE 400Vac		
Frequency (Hz)	50		
Current (Max. continuous) (A)	57.2	64	80
Power rating (kW)	36	40	50
Max. power (kVA)	39.6	44	55
Power factor /(default)	1 default (0.8Leading-0.8Lagging)		
<i>others</i>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-40°C to +60°C (>40°C derating)		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Oversoltage category	OVC III (AC Main), OVC II (PV)		
Dimension	520mm*520mm*265mm		
Weight (kg)	44		
Firmware version	106.007.000 569.006.000		

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Ratings & Principal Characteristics:

Specifications table			
Model	BSM60K-B	BSM70K-B	BSM75K-B
<i>Input:</i>			
Vmax PV (Vdc)	1100	1100	1100
Isc PV (absolute Max.) (A)	4*60	4*60	4*60
Number MPP trackers	4	4	4
Number input strings	12	12	14
Max. PV input current(A)	4*45	4*45	4*45
MPPT voltage range (Vdc)	200-1000	200-1000	200-1000
<i>Output</i>			
Normal Voltage(V)	3φ/N/PE 400Vac		
Frequency (Hz)	50		
Current (Max. continuous) (A)	95	111	119
Power rating (kW)	60	70	75
Max. power (kVA)	66	77	82.5
Power factor /(default)	1 default (0.8Leading-0.8Lagging)		
<i>others</i>			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-40°C to +60°C (>40°C derating)		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Overvoltage category	OVC III (AC Main), OVC II (PV)		
Dimension	705mm*650mm*285mm		
Weight (kg)	75		
Firmware version	106.007.000 569.006.000		

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