

Test Verification of Conformity

Verification Number: 220601757SHA-V1

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Bluesun Solar Co., Ltd. 1499 Zhenxing Road, Shushan District Hefei City, Anhui Province, 230031, P.R. China
Product Description:	PV Grid-interactive Inverter
Ratings & Principle Characteristics:	See Appendix (Specifications table)
Models/Type References:	BSM8K-B, BSM10K-B, BSM12K-B, BSM15K-B, BSM17K-B, BSM20K-B, BSM22K-B, BSM25K-B, BSM30K-B, BSM33K-B
Brand Name:	BLUESUN PV
Relevant Standards:	DIN V VDE V 0126-1-1: 2013
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2021-08-13 to 2021-09-12
Test Report Number(s):	220601757SHA-001

Additional information in Appendix.

Signature



Name: Max Jin

Position: Manager

Date: 2022-07-08

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 220601757SHA-V1

Manufacturer: Bluesun Solar Co., Ltd.

Specifications table			
Model	BSM8K-B	BSM10K-B	BSM12K-B
Input:			
Vmax PV (Vdc)	1100		
Isc PV (absolute Max.) (A)	30/30		
Number MPP trackers	2		
Number input strings	1		
Max. input current(A)	20/20		
Mppt Voltage range (Vdc)	200 to 1000		
Output			
Normal Voltage(VAC)	400V/230V;3P+N+PE		
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz		
Current (Max. continuous) (A)	12.7	16	19.1
Power rating (W)	8000	10000	12000
Power Rating (VA)	8800	11000	13200
Power factor /rated	1(0.8i to 0.8c adjustable)		
others			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-40°C to +60°C		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Overtoltage category	OVC III (AC Main), OVC II (PV)		
Weight (kg)	22		
Dimensions (WxHxD) (mm)	380 x 450 x 245		

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Specifications table				
Model	BSM15K-B	BSM17K-B	BSM20K-B	BSM22K-B
Input:				
Vmax PV (Vdc)	1100			
Isc PV (absolute Max.) (A)	30/30		39/30	
Number MPP trackers	2		2	
Number input strings	3		4	
Max. input current(A)	26/20		30/30	
Mppt Voltage range (Vdc)	200 to 1000			
Output				
Normal Voltage(VAC)	400V/230V;3P+N+PE			
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz			
Current (Max. continuous) (A)	23.9	27	31.8	35
Power rating (W)	15000	17000	20000	22000
Power Rating (VA)	16500	18700	22000	24200
Power factor /rated	1(0.8i to 0.8c adjustable)			
others				
Protective class	Class I			
Ingress protection (IP)	IP 65			
Temperature (°C)	-40°C to +60°C			
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated			
Overtoltage category	OVC III (AC Main), OVC II (PV)			
Weight (kg)	22		25	
Dimensions (WxHxD) (mm)	380 x 450 x 245			

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Specifications table			
Model	BSM25K-B	BSM30K-B	BSM33K-B
Input:			
Vmax PV (Vdc)	1100		
Isc PV (absolute Max.) (A)	60/60		
Number MPP trackers	2		
Number input strings	4	6	
Max. input current(A)	40/40		
Mppt Voltage range (Vdc)	200 to 1000		
Output			
Normal Voltage(VAC)	400V/230V;3P+N+PE		
Frequency(Hz)	<input checked="" type="checkbox"/> 50 Hz <input type="checkbox"/> 60Hz		
Current (Max. continuous) (A)	39.7	47.8	52.4
Power rating (W)	25000	30000	33000
Power Rating (VA)	27500	33000	36300
Power factor /rated	1(0.8i to 0.8c adjustable)		
others			
Protective class	Class I		
Ingress protection (IP)	IP 65		
Temperature (°C)	-40°C to +60°C		
Inverter Isolation	<input checked="" type="checkbox"/> Non-isolated <input type="checkbox"/> High frequency isolated		
Oversoltage category	OVC III (AC Main), OVC II (PV)		
Weight (kg)	30	35	
Dimensions (WxHxD) (mm)	380 x 450 x 245		

Signature



Name: Max Jin

Position: Manager

Date: 2022-07-08

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