

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Bluesun Solar Co., Ltd.**  
Building No.7, 1499 Zhenxing Road, Shushan District  
Hefei, 230031  
PEOPLE'S REPUBLIC OF CHINA

is authorized to provide the product mentioned below with the mark as illustrated:

**Description of product (details see Annex 2):**

**PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells**

**PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells**



Valid from: 2020-10-27

Valid until: 2022-10-19

Tested according to: IEC / EN 61215-1:2016;  
IEC / EN 61215-1-1:2016;  
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;  
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;  
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 20 406749 - 212

Manufacturer: see Annex 1

Test Report No.: 492011519.001

File No.: PVP09021/20P-01



Essen, 2020-10-27



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

Please also pay attention to the information stated overleaf.

**Description of product(s):**

Module types:	<b>PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells</b> 408 cells: BSMxxxCM5-72S (xxx = 350-390, in increment of 5) 340 cells: BSMxxxCM5-60S (xxx = 290-325, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	III or II or I, refer to test report for details
Design load (positive / negative):	2400Pa / 2400Pa or 3600Pa / 1600Pa, refer to test report for detail
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	<b>PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells</b> 432 cells: BSMxxxPM5-78S (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPM5-78SA (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPM5-78SAF (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPM5-78SAS (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPMB5-78S (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPMB5-78SA (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPMB5-78SAF (xxx = 445-480, in increment of 5) 432 cells: BSMxxxPMB5-78SAS (xxx = 445-480, in increment of 5) 408 cells: BSMxxxPM5-72S (xxx = 395-455, in increment of 5) 408 cells: BSMxxxPM5-72SA (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPM5-72SAF (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPM5-72SAS (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPM5-72SB (xxx = 460-500, in increment of 5) 408 cells: BSMxxxPM5-72SBF (xxx = 460-500, in increment of 5) 408 cells: BSMxxxPM5-72SBS (xxx = 460-500, in increment of 5) 408 cells: BSMxxxPM5-72SF (xxx = 395-435, in increment of 5) 408 cells: BSMxxxPM5-72SS (xxx = 395-435, in increment of 5) 408 cells: BSMxxxPMB5-72S (xxx = 395-455, in increment of 5) 408 cells: BSMxxxPMB5-72SA (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPMB5-72SAF (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPMB5-72SAS (xxx = 420-455, in increment of 5) 408 cells: BSMxxxPMB5-72SF (xxx = 395-435, in increment of 5)
---------------	--



TÜV NORD CERT GmbH  
Certification Body  
Consumer Products

408 cells: BSMxxxPMB5-72SS (xxx = 395-435, in increment of 5)  
360 cells: BSMxxxPM5-66S (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPM5-66SA (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPM5-66SAF (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPM5-66SAS (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPMB5-66S (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPMB5-66SA (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPMB5-66SAF (xxx = 370-400, in increment of 5)  
360 cells: BSMxxxPMB5-66SAS (xxx = 370-400, in increment of 5)  
340 cells: BSMxxxPM5-60S (xxx = 325-380, in increment of 5)  
340 cells: BSMxxxPM5-60SA (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPM5-60SAF (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPM5-60SAS (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPM5-60SB (xxx = 380-415, in increment of 5)  
340 cells: BSMxxxPM5-60SBF (xxx = 380-415, in increment of 5)  
340 cells: BSMxxxPM5-60SBS (xxx = 380-415, in increment of 5)  
340 cells: BSMxxxPM5-60SF (xxx = 325-360, in increment of 5)  
340 cells: BSMxxxPM5-60SS (xxx = 325-360, in increment of 5)  
340 cells: BSMxxxPMB5-60S (xxx = 325-380, in increment of 5)  
340 cells: BSMxxxPMB5-60SA (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPMB5-60SAF (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPMB5-60SAS (xxx = 350-380, in increment of 5)  
340 cells: BSMxxxPMB5-60SF (xxx = 325-360, in increment of 5)  
340 cells: BSMxxxPMB5-60SS (xxx = 325-360, in increment of 5)

Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	III or II or I, refer to test report for details
Design load (positive / negative):	2400Pa / 2400Pa or 3600Pa / 1600Pa, refer to test report for detail
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

## Remark:

For detailed product information, please refer to test report.



TÜV NORD CERT GmbH  
Certification Body  
Consumer Products