

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

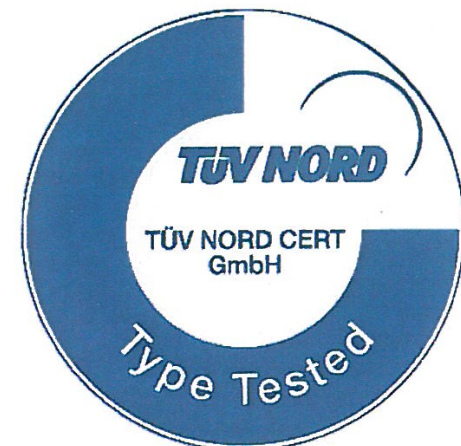
Bluesun Solar Co., Ltd.
Building No.7, 1499 Zhenxing Road, Shushan District
Hefei, 230031
PEOPLE'S REPUBLIC OF CHINA

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



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-10-27

Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:	PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells 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:	PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells 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)
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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.



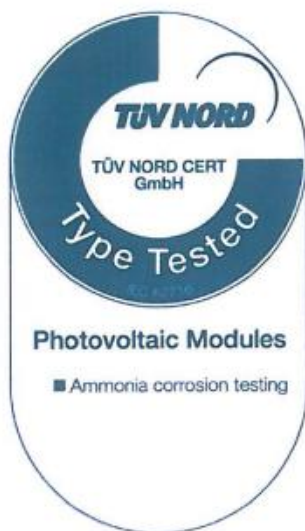
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Consumer Products

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 until: 2024-01-24

Tested according to: IEC 62716:2013 / EN 62716:2013 + AC:2014.
Registered No.: 44 780 20 406749 - 214
Manufacturer: see Annex 1
Test Report No.: 492011546.001
File No.: PVP09021/20P-03



Essen, 2020-10-27


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Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:	PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells: 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
Application class:	Class A
Electrical protection class:	Class II

Module types:	PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells: 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 = 395-420, in increment of 5) 408 cells: BSMxxxPM5-72SS (xxx = 395-420, 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 = 395-420, in increment of 5) 408 cells: BSMxxxPMB5-72SS (xxx = 395-420, 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)
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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 = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SBF (xxx = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SBS (xxx = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SF (xxx = 325-350, in increment of 5)
340 cells: BSMxxxPM5-60SS (xxx = 325-350, 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 = 325-350, in increment of 5)
340 cells: BSMxxxPMB5-60SS (xxx = 325-350, in increment of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Remark:

For detailed product information, please refer to test report.



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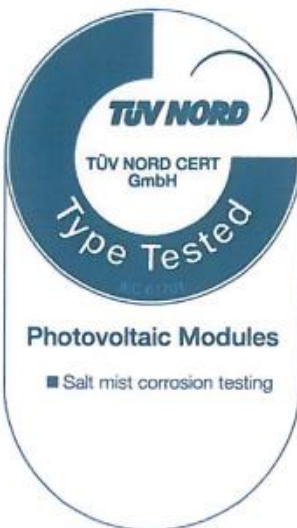
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herewith declares that

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 until: 2024-01-24

Tested according to: IEC 61701:2011 / EN 61701:2012 Severity 6.
Registered No.: 44 780 20 406749 - 213
Manufacturer: see Annex 1
Test Report No.: 492011545.001
File No.: PVP09021/20P-02



Essen, 2020-10-27



A handwritten signature in blue ink, appearing to read 'Roberto'.

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Please also pay attention to the information stated overleaf.

Description of product(s):

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

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells:**
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 = 395-420, in increment of 5)
408 cells: BSMxxxPM5-72SS (xxx = 395-420, 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 = 395-420, in increment of 5)
408 cells: BSMxxxPMB5-72SS (xxx = 395-420, 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)



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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 = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SBF (xxx = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SBS (xxx = 385-415, in increment of 5)
340 cells: BSMxxxPM5-60SF (xxx = 325-350, in increment of 5)
340 cells: BSMxxxPM5-60SS (xxx = 325-350, 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 = 325-350, in increment of 5)
340 cells: BSMxxxPMB5-60SS (xxx = 325-350, in increment of 5)

Maximum system voltage: 1500V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Remark:

For detailed product information, please refer to test report.



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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" PERC Mono-crystalline Silicon Solar Cells



Valid from: 2020-11-30

Valid until: 2024-11-05

Tested according to: P12.4-AA-02 Rev. 00
(IEC TS 62804-1:2015 modified)
Remark: Test temperature: 85°C;
Relative humidity: 85%;
Test duration: 96 hours.
Registered No.: 44 780 20 406749 - 233
Manufacturer: see Annex 1
Test Report No.: 492011547.001
File No.: PVP09021/20P-04



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Essen, 2020-11-30

Please also pay attention to the information stated overleaf.

Description of product(s):

Module types:

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

- 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)
- 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)



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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
Application class: Class A
Electrical protection class: Class II

Remark:

For detailed product information, please refer to test report.



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