

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Kensol Sp. z o.o.
Daszyńskiego 609A, 44-151
Gliwice
Poland

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

PV Modules with Segmented 8" PERC Mono-crystalline Silicon Solar Cells



Valid from: 2021-05-14

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 21 406749 - 087
Manufacturer: see Annex 1
Test Report No.: 492011675.001
File No.: PVP04087/21P



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Essen, 2021-05-14

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 087

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Aktenzeichen: / File reference: PVP04087/21P

2021-03-11

Manufacturer:

Manufacturer: Coded by debtor no. 55390908

Factory inspection report no.: 862010358.004

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Rogers K1".

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Description of product(s):

Module types:

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

- 432 cells: KSxxxM5-S (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxM-SH (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxM5-SAF (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxM5-SAS (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxMB5-S (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxMB5-SA (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxMB5-SAF (xxx = 445-480, in increment of 5)
- 432 cells: KSxxxMB5-SAS (xxx = 445-480, in increment of 5)
- 408 cells: KSxxxM5-S (xxx = 395-455, in increment of 5)
- 408 cells: KSxxxM5-SA (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxM5-SAF (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxM5-SAS (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxM5-SB (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxM5-SBF (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxM5-SBS (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxMB5-SB (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxMB5-SBF (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxMB5-SBS (xxx = 460-500, in increment of 5)
- 408 cells: KSxxxM5-SF (xxx = 395-435, in increment of 5)
- 408 cells: KSxxxM5-SS (xxx = 395-435, in increment of 5)
- 408 cells: KSxxxMB5-S (xxx = 395-455, in increment of 5)
- 408 cells: KSxxxMB5-SA (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxMB5-SAF (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxMB5-SAS (xxx = 420-455, in increment of 5)
- 408 cells: KSxxxMB5-SF (xxx = 395-435, in increment of 5)
- 408 cells: KSxxxMB5-SS (xxx = 395-435, in increment of 5)
- 360 cells: KSxxxM5-S (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxM-SH (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxM5-SAF (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxM5-SAS (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxMB5-S (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxMB5-SA (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxMB5-SAF (xxx = 370-400, in increment of 5)
- 360 cells: KSxxxMB5-SAS (xxx = 370-400, in increment of 5)
- 340 cells: KSxxxM5-S (xxx = 325-380, in increment of 5)
- 340 cells: KSxxxM5-SA (xxx = 350-380, in increment of 5)



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340 cells: KSxxxM5-SAF (xxx = 350-380, in increment of 5)
340 cells: KSxxxM5-SAS (xxx = 350-380, in increment of 5)
340 cells: KSxxxM5-SB (xxx = 380-415, in increment of 5)
340 cells: KSxxxM5-SBF (xxx = 380-415, in increment of 5)
340 cells: KSxxxM5-SBS (xxx = 380-415, in increment of 5)
340 cells: KSxxxMB5-SB (xxx = 380-415, in increment of 5)
340 cells: KSxxxMB5-SBF (xxx = 380-415, in increment of 5)
340 cells: KSxxxMB5-SBS (xxx = 380-415, in increment of 5)
340 cells: KSxxxM5-SF (xxx = 325-360, in increment of 5)
340 cells: KSxxxM5-SS (xxx = 325-360, in increment of 5)
340 cells: KSxxxMB5-S (xxx = 325-380, in increment of 5)
340 cells: KSxxxMB5-SA (xxx = 350-380, in increment of 5)
340 cells: KSxxxMB5-SAF (xxx = 350-380, in increment of 5)
340 cells: KSxxxMB5-SAS (xxx = 350-380, in increment of 5)
340 cells: KSxxxMB5-SF (xxx = 325-360, in increment of 5)
340 cells: KSxxxMB5-SS (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 details
Safety factors: 1.5
Fire safety class: Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Module types:	PV Modules with Segmented 8" PERC Mono-crystalline Silicon Solar Cells 408 cells: KSxxxM6-SC (xxx = 635-655, in increment of 5) 408 cells: KSxxxMB6-SC (xxx = 635-655, in increment of 5) 340 cells: KSxxxM6-SC (xxx = 530-545, in increment of 5) 340 cells: KSxxxMB6-SC (xxx = 530-545, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	30A
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):	3600Pa / 1600Pa, refer to test report for details
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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