

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Sunerg Solar Srl

Via D.Donini, 51 Loc. Cinquemiglia,
06012 Città di Castello (PG)
ITALY

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: 2021-04-09

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 - 045

Manufacturer: see Annex 1

Test Report No.: 492011647.001

File No.: PVP01075/21P



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Essen, 2021-04-09

Please also pay attention to the information stated overleaf.

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: XMCH78xxx+ (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxx+H (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxxB+H (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxxBW+H (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxx+BF (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxx+HBF (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxxB+HBF (xxx = 445-480, in increment of 5)
- 432 cells: XMCH78xxxBW+HBF (xxx = 445-480, in increment of 5)
- 408 cells: XMCH72xxx+ (xxx = 395-455, in increment of 5)
- 408 cells: XMCH72xxx+H (xxx = 420-455, in increment of 5)
- 408 cells: XMCH72xxxB+H (xxx = 420-455, in increment of 5)
- 408 cells: XMCH72xxxBW+H (xxx = 420-455, in increment of 5)
- 408 cells: XMCH144xxx+H (xxx = 460-500, in increment of 5)
- 408 cells: XMCH144xxxB+H (xxx = 460-500, in increment of 5)
- 408 cells: XMCH144xxxBW+H (xxx = 460-500, in increment of 5)
- 408 cells: XMCH144xxx+HBF (xxx = 460-500, in increment of 5)
- 408 cells: XMCH144xxxB+HBF (xxx = 460-500, in increment of 5)
- 408 cells: XMCH144xxxBW+HBF (xxx = 460-500, in increment of 5)
- 408 cells: XMCH72xxxB+ (xxx = 395-435, in increment of 5)
- 408 cells: XMCH72xxxBW+ (xxx = 395-435, in increment of 5)
- 408 cells: XMCH72xxx+BF (xxx = 395-455, in increment of 5)
- 408 cells: XMCH72xxx+HBF (xxx = 420-455, in increment of 5)
- 408 cells: XMCH72xxxB+HBF (xxx = 420-455, in increment of 5)
- 408 cells: XMCH72xxxBW+HBF (xxx = 420-455, in increment of 5)
- 408 cells: XMCH72xxxB+BF (xxx = 395-435, in increment of 5)
- 408 cells: XMCH72xxxBW+BF (xxx = 395-435, in increment of 5)
- 360 cells: XMCH60xxxB+ (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxx+ (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxx+H (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxxB+H (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxxBW+H (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxx+BF (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxx+HBF (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxxB+HBF (xxx = 370-400, in increment of 5)
- 360 cells: XMCH66xxxBW+HBF (xxx = 370-400, in increment of 5)
- 340 cells: XMCH60xxx+ (xxx = 325-380, in increment of 5)



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340 cells: XMCH60xxx+H (xxx = 350-380, in increment of 5)
340 cells: XMCH60xxxB+H (xxx = 350-380, in increment of 5)
340 cells: XMCH60xxxBW+H (xxx = 350-380, in increment of 5)
340 cells: XMCH120xxx+H (xxx = 380-415, in increment of 5)
340 cells: XMCH120xxxB+H (xxx = 380-415, in increment of 5)
340 cells: XMCH120xxxBW+H (xxx = 380-415, in increment of 5)
340 cells: XMCH120xxx+HBF (xxx = 380-415, in increment of 5)
340 cells: XMCH120xxxB+HBF (xxx = 380-415, in increment of 5)
340 cells: XMCH120xxxBW+HBF (xxx = 380-415, in increment of 5)
340 cells: XMCH60xxxB+ (xxx = 325-360, in increment of 5)
340 cells: XMCH60xxxBW+ (xxx = 325-360, in increment of 5)
340 cells: XMCH60xxx+BF (xxx = 325-380, in increment of 5)
340 cells: XMCH60xxx+HBF (xxx = 350-380, in increment of 5)
340 cells: XMCH60xxxB+HBF (xxx = 350-380, in increment of 5)
340 cells: XMCH60xxxBW+HBF (xxx = 350-380, in increment of 5)
340 cells: XMCH60xxxB+BF (xxx = 325-360, in increment of 5)
340 cells: XMCH60xxxBW+BF (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: XMCH136xxxQ+H (xxx = 635-655, in increment of 5) 408 cells: XMCH136xxxQ+HBF (xxx = 635-655, in increment of 5) 340 cells: XMCH114xxxQ+H (xxx = 530-545, in increment of 5) 340 cells: XMCH114xxxQ+HBF (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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