

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Avrii Sp.z o.o.
33-100 Tarnow
Mrozna 8

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

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2023-06-13

Valid until: 2025-09-21

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	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 23 406749 - 162
Manufacturer:	see Annex 1
Test Report No.:	492012453.001
File No.:	PVP05041/23P



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Certification Body
Consumer Products



Essen, 2023-06-13

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 23 406749 - 162**

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Aktenzeichen: / File reference: **PVP05041/23P**

2023-06-13

Manufacturer:

Manufacturer: **Coded by debtor no. 55484709**
Factory inspection report no.: **862010511.003**

Remark:

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



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Description of product(s):

Module types:	PV Modules with Mono-crystalline Silicon Half-cut Solar Cells (158.75mm to 166mm): 144 cells: BB ECO-3/72Hxxx (xxx = 380-415, in increment of 5) 120 cells: BB ECO-3/60Hxxx (xxx = 315-345, in increment of 5) 144 cells: BB ECO-4/72Hxxx (xxx = 425-465, in increment of 5) 132 cells: BB ECO-4/66Hxxx (xxx = 390-425, in increment of 5) 120 cells: BB ECO-4/60Hxxx (xxx = 355-385, in increment of 5) 108 cells: BB ECO-4/54Hxxx (xxx = 315-345, in increment of 5) 144 cells: BB ECO-4/72BHxxx (xxx = 425-445, in increment of 5) 132 cells: BB ECO-4/66BHxxx (xxx = 390-405, in increment of 5) 120 cells: BB ECO-4/60BHxxx (xxx = 355-370, in increment of 5) 108 cells: BB ECO-4/54BHxxx (xxx = 320-330, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
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 182mm Mono-crystalline Silicon Half-cut Solar Cells: 144 cells: BB ECO-xxx (xxx = 520-555, in increment of 5) 132 cells: BB ECO-xxx (xxx = 475-505, in increment of 5) 120 cells: BB ECO-xxx (xxx = 435-460, in increment of 5) 108 cells: BB ECO-xxx (xxx = 390-415, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
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 210mm Mono-crystalline Silicon Half-cut Solar Cells: 132 cells: BB ECO-7/66Hxxx (xxx = 635-665, in increment of 5) 120 cells: BB ECO-7/60Hxxx (xxx = 580-605, in increment of 5) 108 cells: BB ECO-7/54Hxxx (xxx = 520-545, in increment of 5) 96 cells: BB ECO-7/48Hxxx (xxx = 460-480, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa
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 CDF (Constructional Data Form) in Annex 1 of test report.



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