

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Profpanel LLC
Arshakunyats ave 25/1
Yerevan, Armenia, 0023

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: 2023-02-23

Valid until: 2027-07-05

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 - 036
Manufacturer:	see Annex 1
Test Report No.:	492012291.001
File No.:	PVP12099/22P



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Essen, 2023-02-23

Description of product(s):

Module types:	PV Modules with Mono-crystalline Silicon Solar Cells (156.75mm to 158.75mm) 72 cells: SLN-72 G1 Mono PERC xxx (xxx = 330-400, in increment of 5) 60 cells: SLN-60 G1 Mono PERC xxx (xxx = 275-320, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
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 Mono-crystalline Silicon Half-cut Solar Cells (158.75mm to 166mm) 144 cells: SLN-144 Half Cut G1 Mono PERC xxx (xxx = 390-415, in increment of 5) 120 cells: SLN-120 Half Cut G1 Mono PERC xxx (xxx = 325-345, in increment of 5) 144 cells: SLN-144 Half Cut M6 Mono PERC xxx (xxx = 420-450, in increment of 5) 120 cells: SLN-120 Half Cut M6 Mono PERC xxx (xxx = 350-375, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
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 182mm Mono-crystalline Silicon Half-cut Solar Cells 156 cells: SLN-156 Half Cut M10 Mono PERC xxx (xxx = 565-595, in increment of 5) 144 cells: SLN-144 Half Cut M10 Mono PERC xxx (xxx = 520-555, in increment of 5) 132 cells: SLN-132 Half Cut M10 Mono PERC xxx (xxx = 480-505, in increment of 5) 120 cells: SLN-120 Half Cut M10 Mono PERC xxx (xxx = 435-460, in increment of 5) 108 cells: SLN-108 Half Cut M10 Mono PERC xxx (xxx = 395-415, 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)

Module types:	PV Modules with 210mm Mono-crystalline Silicon 1/3-cut Solar Cells 150 cells: SLN-150 1/3-Cut G12 Mono PERC xxx (xxx = 485-510, in increment of 5) 120 cells: SLN-120 1/3-Cut G12 Mono PERC xxx (xxx = 385-405, 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)



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Module types:

PV Modules with 210mm Mono-crystalline Silicon Half-cut Solar Cells

132 cells: SLN-132 Half Cut G12 Mono PERC xxx (xxx = 640-670, in increment of 5)

120 cells: SLN-120 Half Cut G12 Mono PERC xxx (xxx = 585-605, in increment of 5)

108 cells: SLN-108 Half Cut G12 Mono PERC xxx (xxx = 525-545, in increment of 5)

96 cells: SLN-96 Half Cut G12 Mono PERC xxx (xxx = 465-485, in increment of 5)

84 cells: SLN-84 Half Cut G12 Mono PERC xxx (xxx = 405-425, in increment of 5)

110 cells: SLN-110 Half Cut G12 Mono PERC xxx (xxx = 530-555, in increment of 5)

100 cells: SLN-100 Half Cut G12 Mono PERC xxx (xxx = 480-505, in increment of 5)

90 cells: SLN-90 Half Cut G12 Mono PERC xxx (xxx = 430-455, in increment of 5)

80 cells: SLN-80 Half Cut G12 Mono PERC xxx (xxx = 390-400, 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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