

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Changzhou EGing Photovoltaic Technology Co., Ltd.
No.18, Jinwu Road, Yaotang Town, Jintan District
Changzhou City, Jiangsu Province 213213,
P.R. China

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: 2023-12-28

Valid until: 2028-12-27

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 - 491
Manufacturer:	see Annex 1
Test Report No.:	492012888.001
File No.:	PVP06154/23P-01



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Essen, 2023-12-28

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer: **Changzhou EGing Photovoltaic Technology Co., Ltd.**
No.18, Jinwu Road, Yaotang Town, Jintan District
Changzhou City, Jiangsu Province 213213, P.R.China

Factory inspection report no.: 862010123.011

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 Half-cut Mono-crystalline Silicon Solar Cells (158.75mm to 166mm) 168 cells: EG-XXXM84-HE (XXX = 500-535, in increments of 5) 156 cells: EG-XXXM78-HE (XXX = 465-495, in increments of 5) 144 cells: EG-XXXM72-HE (XXX = 425-460, in increments of 5) 120 cells: EG-XXXM60-HE (XXX = 350-380, in increments of 5)
Maximum system voltage:	1000V
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 Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: EG-XXXM72-HL (XXX = 530-560, in increments of 5) 120 cells: EG-XXXM60-HL (XXX = 440-465, in increments of 5) 108 cells: EG-XXXM54-HL (XXX = 395-420, in increments of 5)
Maximum system voltage:	1000V
Fuse rating:	25A/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)

Module types:	PV Modules with 210mm Half-cut Mono-crystalline Silicon Solar Cells: 132 cells: EG-XXXM66-HU (XXX = 640-670, in increments of 5) 120 cells: EG-XXXM60-HU (XXX = 540-620, in increments of 5) 108 cells: EG-XXXM54-HU (XXX = 490-555, in increments of 5)
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Maximum system voltage: 1000V
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)

Module types: **PV Modules with 210mm 1/3-cut Mono-crystalline Silicon Solar Cells:**
150 cells: EG-XXXM50-TU (XXX = 480-515, in increments of 5)
120 cells: EG-XXXM40-TU (XXX = 385-405, in increments of 5)

Maximum system voltage: 1000V
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)

Module types: **PV Modules with 158.75mm Mono-crystalline Silicon Solar Cells:**
72 cells: EG-XXXM72-DV (XXX = 360-410, in increments of 5)
60 cells: EG-XXXM60-DV (XXX = 300-340, in increments of 5)

Maximum system voltage: 1500V
Fuse rating: 15A/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 Half-cut Mono-crystalline Silicon Solar Cells (158.75mm to 166mm): 156 cells: EG-XXXM78-HDV (XXX = 420-455, in increments of 5) 144 cells: EG-XXXM72-HDV (XXX = 365-415, in increments of 5) 132 cells: EG-XXXM66-HDV (XXX = 355-380, in increments of 5) 120 cells: EG-XXXM60-HDV (XXX = 305-345, in increments of 5) 168 cells: EG-XXXM84-HEV (XXX = 500-535, in increments of 5) 156 cells: EG-XXXM78-HEV (XXX = 465-495, in increments of 5) 144 cells: EG-XXXM72-HEV (XXX = 425-460, in increments of 5) 120 cells: EG-XXXM60-HEV (XXX = 350-380, in increments of 5)
Maximum system voltage:	1500V
Fuse rating:	15A/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 Half-cut Mono-crystalline Silicon Solar Cells: 156 cells: EG-XXXM78-HLV (XXX = 585-605, in increments of 5) 144 cells: EG-XXXM72-HLV (XXX = 530-560, in increments of 5) 120 cells: EG-XXXM60-HLV (XXX = 440-465, in increments of 5) 108 cells: EG-XXXM54-HLV (XXX = 395-420, in increments of 5) 156 cells: EG-XXXNT78-HLV (XXX = 605-625, in increments of 5) 144 cells: EG-XXXNT72-HLV (XXX = 540-590, in increments of 5) 120 cells: EG-XXXNT60-HLV (XXX = 455-495, in increments of 5) 108 cells: EG-XXXNT54-HLV (XXX = 405-450, in increments of 5)
Maximum system voltage:	1500V
Fuse rating:	25A/30A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa / 1600Pa



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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 Half-cut Mono-crystalline Silicon Solar Cells:**
132 cells: EG-XXXM66-HUV (XXX = 640-670, in increments of 5)
120 cells: EG-XXXM60-HUV (XXX = 540-620, in increments of 5)
108 cells: EG-XXXM54-HUV (XXX = 490-555, in increments 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)

Module types: **PV Modules with 210mm 1/3-cut Mono-crystalline Silicon Solar Cells:**
150 cells: EG-XXXM50-TUV (XXX = 480-515, in increments of 5)
120 cells: EG-XXXM40-TUV (XXX = 385-405, in increments 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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