

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Ningbo Osda Solar Co., Ltd.

1-1, No.136, Haichuan Road, Jiangbei Area
Ningbo City, Zhejiang Province
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: 2024-01-15

Valid until: 2029-01-14

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61215-1:2021 + COR1:2021 / EN IEC 61215-1:2021 + AC:2021; IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021; IEC 61215-2:2021 / EN IEC 61215-2:2021; 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 24 406749 - 020
Manufacturer:	see Annex 1
Test Report No.:	492012902.001
File No.:	PVP03179/23P-07



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Consumer Products



Essen, 2024-01-15

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 24 406749 - 020**

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Aktenzeichen: / File reference: **PVP03179/23P-07**

2024-01-15

Manufacturer:

Manufacturer 1:	Ningbo Osda Solar Co., Ltd. 1-1, No.136, Haichuan Road, Jiangbei Area Ningbo City, Zhejiang Province, P.R.China
Factory inspection report no.:	862010428.005
Manufacturer 2:	Shandong Oushengda New Energy Co., Ltd. Intersection of Guanzhuang Middle Road and Aeon South Road, Zhengwang Town, Hedong District, Linyi City, Shandong Province
Factory inspection report no.:	862010807.001

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:	Double Glass PV Modules with Half-cut 210mm Mono-crystalline Silicon Solar Cells: 132 cells: ODAxxx-33V-MHD (xxx=645-705, in increment of 5) 120 cells: ODAxxx-30V-MHD (xxx=585-640, in increment of 5) 110 cells: ODAxxx-28V-MHD (xxx=540-585, in increment of 5) 100 cells: ODAxxx-25V-MHD (xxx=490-535, in increment of 5) Remark: xxx indicates output power from the front side only.
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)



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Anlage 2 zum Zertifikat Nr.: / Annex 2 to Certificate No.: 44 780 24 406749 - 020

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Aktenzeichen: / File reference: PVP03179/23P-07

2024-01-15

Module types:

Double Glass PV Modules with Half-cut 182mm Mono-crystalline Silicon Solar Cells:

156 cells: ODAxxx-39V-MHD (xxx=570-625, in increment of 5)

144 cells: ODAxxx-36V-MHD (xxx=525-590, in increment of 5)

132 cells: ODAxxx-33V-MHD (xxx=480-540, in increment of 5)

120 cells: ODAxxx-30V-MHD (xxx=440-490, in increment of 5)

108 cells: ODAxxx-27V-MHD (xxx=395-440, in increment of 5)

Remark: xxx indicates output power from the front side only.

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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