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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Certification Body
Consumer Products

Essen, 2024-01-15

Please also pay attention to the information stated overleaf.

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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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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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