

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: 2022-12-30

Valid until: 2027-12-29

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 22 406749 - 268
Manufacturer:	see Annex 1
Test Report No.:	492012267.001
File No.:	PVP11016/22P-02

 Digitally signed by
Roger Miao
Date: 2022.12.30
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TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2022-12-30

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer: **Ningbo Osda Solar Co., Ltd.**
1-1, No.136, Haichuan Road, Jiangbei Area
Ningbo City, Zhejiang Province, P.R.China

Factory inspection report no.: 862010428.003

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:	Double Glass PV Modules with Half-cut 210mm TOPCon Monocrystalline Silicon Solar Cells: 132 cells: ODAxxx-33V-MHD (xxx=670-705, in increment of 5) 120 cells: ODAxxx-30V-MHD (xxx=610-640, in increment of 5) 110 cells: ODAxxx-28V-MHD (xxx=560-585, in increment of 5) 100 cells: ODAxxx-25V-MHD (xxx=510-535, 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)

Module types:	Double Glass PV Modules with Half-cut 182mm TOPCon Monocrystalline Silicon Solar Cells: 156 cells: ODAxxx-39V-MHD (xxx=590-625, in increment of 5) 144 cells: ODAxxx-36V-MHD (xxx=550-575, in increment of 5) 132 cells: ODAxxx-33V-MHD (xxx=500-525, in increment of 5) 120 cells: ODAxxx-30V-MHD (xxx=460-480, in increment of 5) 108 cells: ODAxxx-27V-MHD (xxx=410-430, 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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