

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.

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):

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|------------------------------------|--|
| 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.

