

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Zhejiang Kingdom Solar Energy Technic Co., Ltd.

No. 1199 Huifeng South Road, Jiangnan Street,

Linhai City, Taizhou 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: 2022-04-06

Valid until: 2026-09-29

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 21 406749 - 208R1
Manufacturer:	see Annex 1
Test Report No.:	492011804.002
File No.:	PVP03117/22P



Essen, 2022-04-06

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 21 406749 - 208R1**

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Aktenzeichen: / File reference: **PVP03117/22P**

2022-04-06

Manufacturer:

Manufacturer: **Zhejiang Kingdom Solar Energy Technic Co., Ltd.**
No. 1199 Huifeng South Road, Jiangnan Street, Linhai City, Taizhou City,
Zhejiang Province, P.R. China

Factory inspection report no.: 862010571.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

Description of product(s):

Module types:	PV Modules with Half-cut 182mm Mono-crystalline Silicon Solar Cells: 144 cells: KD-Mxxx (xxx=525-555, in steps of 5) 120 cells: KD-Mxxx (xxx=440-460, in steps of 5) 108 cells: KD-Mxxx (xxx=395-415, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	2400Pa / 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 Half-cut 166mm Mono-crystalline Silicon Solar Cells: 144 cells: KD-Mxxx (xxx=440-470, in steps of 5) 120 cells: KD-Mxxx (xxx=365-390, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	2400Pa / 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.