

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Sunrise energy Co., Ltd.

No.20 Tongzi River West Road, Zhonglou Development Zone,
Changzhou Jiangsu, 213023
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: 2024-04-15

Valid until: 2029-04-14

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61701:2020 / EN IEC 61701:2020
Remark:	Test Method 6
	Test duration: 1344 hours
Registered No.:	44 780 24 406749 - 145
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492012964.001
File No.:	PVP08162/23P-01



Essen, 2024-04-15



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer: **Sunrise energy Co., Ltd.**
No.20 Tongzi River West Road, Zhonglou Development Zone,
Changzhou Jiangsu, 213023 P.R. China

Factory : **Sunrise energy Co., Ltd.**
No.20 Tongzi River West Road, Zhonglou Development Zone,
Changzhou Jiangsu, 213023 P.R. China

Factory inspection report no.: 862010400.006

Remark:

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



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:

Double Glass PV Modules with Half-cut 7" TOPCon Monocrystalline Silicon Solar Cells:

156 cells: SR-78MxxxNHLProD (xxx=590-635, in steps of 5)

144 cells: SR-72MxxxNHLProD (xxx=545-585, in steps of 5)

132 cells: SR-66MxxxNHLProD (xxx=500-535, in steps of 5)

120 cells: SR-60MxxxNHLProD (xxx=455-485, in steps of 5)

108 cells: SR-54MxxxNHLProD (xxx=410-440, in steps of 5)

96 cells: SR-48MxxxNHLProD (xxx=370-390, in steps of 5)

84 cells: SR-42MxxxNHLProD (xxx=320-340, in steps of 5)

72 cells: SR-36MxxxNHLProD (xxx=275-290, in steps of 5)

Remark: xxx indicates rated output power generated from front side under STC

Maximum system voltage: 1500V

Fuse rating: 30A

Application class: Class A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form).



TÜV NORD CERT GmbH
Certification Body
Consumer Products