

To:

Company: Sunrise energy Co., Ltd.
Contact: Mr. Shao Yuan
Email: Shawnshao@sunriseenergy.cn

From:

Company: TÜV NORD (HANGZHOU) CO., LTD.
Contact: Ms. Miley Li
Email: wli@tuv-nord.com

2021-03-09

Subject: Declaration of cancellation

File No.: PVP04062/20P
License holder: **Sunrise energy Co., Ltd.**
No.20 Tongzi River West Road, Zhonglou Development Zone,
Changzhou Jiangsu, 213023 P.R. China
Manufacturer: **Sunrise energy Co., Ltd.**
No.20 Tongzi River West Road, Zhonglou Development Zone,
Changzhou Jiangsu, 213023 P.R. China
Certificate No.: 44 780 20 406749 - 218
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2021-03-09.

The cancellation is to:

- ☐ License holder applied for cancellation.
☒ New certificate(s) has (have) been issued to replace the cancelled one(s).
(New certificate(s) : 44 780 20 406749 - 218R1M1)
☐ Annual factory inspection is refused by the license holder or the manufacturer.
☐ Factory Inspection fee or annual fee or registration fee is not paid by License Holder or Manufacturer.
☐ Others. (N/A)

Please pay attention to stop using the invalid certificate(s) from 2021-03-09. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

TÜV NORD reserved the right of final explanation about the cancellation of certificate(s). TÜV NORD will not take any responsibility for the circumstance of misusing the invalid certificate(s) by the license holder or the manufacturer.

PV Business - Renewable Energy
TÜV NORD (Hangzhou) Co., Ltd.

Miley Li

Technical Support

TÜV NORD (Hangzhou) Co., Ltd.
杭州汉德质量认证服务有限公司
Member of TÜV NORD Group
TÜV NORD 集团成员之一

5th floor, No.50, Jiu Huan Road,
Hangzhou City, Zhejiang Province, 310019, P.R. China
中国浙江省杭州市九环路 50 号 5 楼

Tel / 电话:
+86 (0)571 85386989
Fax / 传真:
+86 (0)571 85386986

Website / 网站:
www.tuv-nord.com
www.tuv-nord.com/cn
www.tuev-nord-cert.de

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):

PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells

PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-03-09

Valid until: 2025-11-04

Tested according to: 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 20 406749 - 218R1M1

Manufacturer: see Annex 1

Test Report No.: 492011544.002

File No.: PVP09073/20P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-03-09

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 20 406749 - 218R1M1

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: PVP09073/20P

2021-03-09

Manufacturer:

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

Factory inspection report no.: 862010400.003

Remark:

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

A handwritten signature in blue ink, appearing to read "R. J. K.", is positioned above the company name.

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: SR-M672xxxHLP (xxx = 415 - 450, in increment of 5) 132 cells: SR-M666xxxHLP (xxx = 380 - 410, in increment of 5) 120 cells: SR-M660xxxHLP (xxx = 345 - 375, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	1600Pa / 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 7" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: SR-72MxxxHLPro (xxx = 530 - 555, in increment of 5) 132 cells: SR-66MxxxHLPro (xxx = 485 - 505, in increment of 5) 120 cells: SR-60MxxxHLPro (xxx = 440 - 460, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	1600Pa / 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.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

**Certificate
of conformity with the following
European Directives**

Registered No.:
44 799 21 406749 - 016

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2020-10-16	PVP09073/20P	492011544.002	2021-03-09	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

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

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
Langemarckstrasse 20
D-45141 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types:

PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells:

144 cells: SR-M672xxxHLP (xxx = 415 - 450, in increment of 5)

132 cells: SR-M666xxxHLP (xxx = 380 - 410, in increment of 5)

120 cells: SR-M660xxxHLP (xxx = 345 - 375, in increment of 5)

Module types:

PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells:

144 cells: SR-72MxxxHLPro (xxx = 530 - 555, in increment of 5)

132 cells: SR-66MxxxHLPro (xxx = 485 - 505, in increment of 5)

120 cells: SR-60MxxxHLPro (xxx = 440 - 460, in increment of 5)



TÜV NORD CERT GmbH
Certification Body
Consumer Products