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" Mono-crystalline Silicon Solar Cells

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

TÜV NORD CERT GmbH Type Tested

Valid from: 2019-09-27
Valid until: 2023-08-12

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 19 406749 - 270M1
Manufacturer:	see Annex 1
Test Report No.:	492011100.003
File No.:	SHV09017/19

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Essen, 2019-09-27

Please also pay attention to the information stated overleaf.

TÜV NORD CERT GmbH Langemarckstr. 20 45141 Essen www.tuev-nord-cert.de
Fon +49 (0)201 825 5120 Fax +49 (0)201 825 3209 prodcert@tuev-nord.de

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.:	862010400.002

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:	**PV Modules with 6" Mono-crystalline Silicon Solar Cells:** 72 cells: SR-M672xxx (xxx = 320 - 360, in increment of 5) 60 cells: SR-M660xxx (xxx = 265 - 300, in increment of 5)
Maximum system voltage:	1000V
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)

Module types:	**PV Modules with 6" Mono-crystalline Silicon Solar Cells:** 72 cells: SR-M672xxxL (xxx = 370 - 390, in increment of 5) 60 cells: SR-M660xxxL (xxx = 310 - 325, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
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)

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Module types:	**PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells:** 144 cells: SR-M672xxxHL (xxx = 370 - 390, in increment of 5) 120 cells: SR-M660xxxHL (xxx = 310 - 325, in increment of 5)
Maximum system voltage:	1000V
Fuse rating:	15A
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.

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Consumer Products

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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" Poly-crystalline Silicon Solar Cells

TÜV NORD CERT GmbH Type Tested

Valid from: 2019-09-27
Valid until: 2023-08-12

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 18 406749 - 250M2
Manufacturer:	see Annex 1
Test Report No.:	492011100.003
File No.:	SHV09017/19

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Essen, 2019-09-27

Please also pay attention to the information stated overleaf.

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Anlage 1 zum Zertifikat Nr.: / *Annex 1 to Certificate No.:* **44 780 18 406749 - 250M2**

Aktenzeichen: / *File reference:* **SHV09017/19**

2019-09-27

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.:	862010400.002

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:	**PV Modules with 6" Poly-crystalline Silicon Solar Cells:** 72 cells: SR-P672xxx (xxx = 315 - 330, in increment of 5) 60 cells: SR-P660xxx (xxx = 265 - 275, in increment of 5)
Maximum system voltage:	1000V
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.

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