

# 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**



Valid from: 2020-11-05  
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 - 218  
Manufacturer: see Annex 1  
Test Report No.: 492011544.001  
File No.: PVP04062/20P



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products



Essen, 2020-11-05

Please also pay attention to the information stated overleaf.

**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.



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**Consumer Products**

**Description of product(s):**

Module types:	<b>PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells:</b> 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:	20A
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.



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## Certificate of conformity with the following European Directives

Registered No.:

44 799 20 406749 -102

### Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2020-05-28	PVP04062/20P	492011544.001	2020-11-05	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:

<b>Product:</b>	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
<b>Type designation:</b>	See Annex 1
<b>Applicant:</b>	<b>Sunrise energy Co., Ltd.</b> No.20 Tongzi River West Road, Zhonglou Development Zone, Changzhou Jiangsu, 213023 P.R. China
<b>Standard(s):</b>	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

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**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)



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