

# 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: 2020-11-20

Valid until: 2025-11-19

Tested according to: P12.4-AA-04 Rev. 00  
(IEC 60068-2-68:1994 modified)  
Remark: Test Method Lc2;  
Dust concentration:  $5 \pm 0.5 \text{g/m}^3$ ;  
Wind velocity:  $20 \pm 2 \text{m/s}$ ;  
Test duration: 4 hours each side.  
Registered No.: 44 780 20 406749 - 227  
Manufacturer: see Annex 1  
Test Report No.: 492011561.001  
File No.: PVP08038/20P-03



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



Essen, 2020-11-20

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.

A handwritten signature in blue ink, appearing to read "Roberto".

**TÜV NORD CERT GmbH**  
**Certification Body**  
**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
Application class:	Class A
Electrical protection class:	Class II

**Remark:**

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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