

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Ningbo Coulee Tech Co., Ltd.**  
Room A812, No.2 Xingye Avenue, Ningbo Free Trade Zone  
Ningbo City, Zhejiang Province  
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: 2021-08-23

Valid until: 2026-07-11

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	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 21 406749 - 179
Manufacturer:	see Annex 1
Test Report No.:	492011764.001
File No.:	PVP09034/20P-02



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



Essen, 2021-08-23

Please also pay attention to the information stated overleaf.

**Description of product(s):**

Module types:	<b>PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells</b> 120 cells: CLM-xxxM-60 (xxx = 360 - 385, in increment of 5) 144 cells: CLM-xxxM-72 (xxx = 430 - 465, 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):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	<b>PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells</b> 120 cells: CLM-xxxM-60 (xxx = 430 - 455, in increment of 5) 144 cells: CLM-xxxM-72 (xxx = 515 - 545, 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):	3600Pa / 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 21 406749 - 095**

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

Date of application	File reference	Test report No.	Date of issue	Place of issue
2021-01-29	PVP09034/20P-02	492011764.001	2021-08-23	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:** **Ningbo Coulee Tech Co., Ltd.**  
Room A812, No.2 Xingye Avenue, Ningbo Free Trade Zone  
Ningbo City, Zhejiang Province, 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

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**Description of product(s):**

Module types: **PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells:**  
120 cells: CLM-xxxM-60 (xxx = 360 - 385, in increment of 5)  
144 cells: CLM-xxxM-72 (xxx = 430 - 465, in increment of 5)

Module types: **PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells:**  
120 cells: CLM-xxxM-60 (xxx = 430 - 455, in increment of 5)  
144 cells: CLM-xxxM-72 (xxx = 515 - 545, in increment of 5)



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