



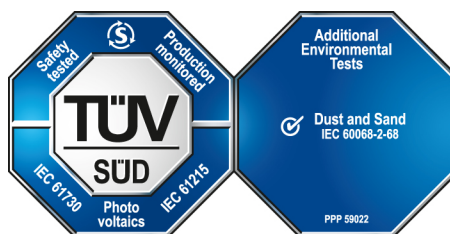
Product Service

CERTIFICATE

No. Z2 083334 0059 Rev. 01

Holder of Certificate: **Ningbo Ulica Solar
Science & Technology Co., Ltd**
No. 181, Shanshan Road
Wangchun Industrial District
315177 Ningbo
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Poly-Crystalline Silicon Photovoltaic Module**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061909508-01

Valid until: 2025-05-28

Date, 2020-05-29

(Zhulin Zhang)

CERTIFICATE

No. Z2 083334 0059 Rev. 01

Model(s):

1000 V DC system voltage Single Glass modules:

UL-xxxP-72, xxx= 330 to 360 in step of 5;

UL-xxxP-60, xxx= 275 to 300 in step of 5;

UL-xxxP-54, xxx= 245 to 270 in step of 5;

1500 V DC system voltage Single Glass modules:

UL-xxxP-72HV, xxx= 330 to 360 in step of 5;

UL-xxxP-60HV, xxx= 275 to 300 in step of 5;

UL-xxxP-54HV, xxx= 245 to 270 in step of 5;

Half cell 1000 V DC system voltage Single Glass modules:

UL-xxxP-144, xxx = 335 to 375 W in step of 5;

UL-xxxP-120, xxx = 280 to 310 W in step of 5;

UL-xxxP-108, xxx = 255 to 280 W in step of 5;

UL-xxxP-96, xxx = 225 to 250 W in step of 5;

Half cell 1500 V DC system voltage Single Glass modules:

UL-xxxP-144HV, xxx = 335 to 375 W in step of 5;

UL-xxxP-120HV, xxx = 280 to 310 W in step of 5;

UL-xxxP-108HV, xxx = 255 to 280 W in step of 5;

UL-xxxP-96HV, xxx = 225 to 250 W in step of 5;

xxx is standing for rated output power at STC.

Parameters:

Dust and Sand Test Method:	LC1
Dust/sand Type:	95% SiO ₂
Dust/sand concentration:	5 g/m ³
Testing Air Velocity:	20 m/s
Test Duration:	4 h/each side
Safety Class:	Class II
Max. System Voltage:	1000V DC or 1500 V DC
Construction:	Framed, with Junction box, cable and connector.
Fire Safety Class:	Class C according to UL790

Tested according to:

IEC 61215-1(ed.1)
IEC 61215-1-1(ed.1)
IEC 61215-2(ed.1)
IEC 61730-1(ed.2)
IEC 61730-2(ed.2)
PPP 59022A:2013

Production Facility(ies):

083334