



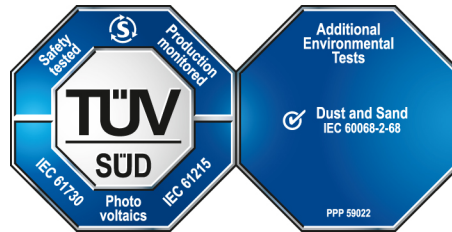
Product Service

CERTIFICATE

No. Z2 083334 0058 Rev. 02

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
Mono-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.: 704061909507-02

Valid until: 2025-05-28

Date, 2020-05-29

(Zhulin Zhang)

CERTIFICATE

No. Z2 083334 0058 Rev. 02

Model(s):

1000 V DC system voltage Single Glass modules:

UL-xxxM-72, xxx= 330 to 390 in step of 5;

UL-xxxM-60, xxx= 275 to 325 in step of 5;

UL-xxxM-54, xxx= 245 to 290 in step of 5;

1500 V DC system voltage Single Glass modules:

UL-xxxM-72HV, xxx= 330 to 390 in step of 5;

UL-xxxM-60HV, xxx= 275 to 325 in step of 5;

UL-xxxM-54HV, xxx= 245 to 290 in step of 5;

Half cell 1000 V DC system voltage Single Glass modules:

UL-xxxM-144, xxx= 370 to 415 in step of 5;

UL-xxxM-120, xxx= 305 to 345 in step of 5;

UL-xxxM-108, xxx= 275 to 315 in step of 5;

UL-xxxM-96, xxx= 245 to 275 in step of 5;

UL-xxxM-144, xxx= 430 to 450 in step of 5;

UL-xxxM-120, xxx= 360 to 375 in step of 5;

UL-xxxM-108, xxx= 325 to 335 in step of 5;

UL-xxxM-96, xxx= 290 to 300 in step of 5;

Half cell 1500 V DC system voltage Single Glass modules:

UL-xxxM-144HV, xxx= 370 to 415 in step of 5;

UL-xxxM-120HV, xxx= 305 to 345 in step of 5;

UL-xxxM-108HV, xxx= 275 to 315 in step of 5;

UL-xxxM-96HV, xxx= 245 to 275 in step of 5;

UL-xxxM-144HV, xxx= 430 to 450 in step of 5;

UL-xxxM-120HV, xxx= 360 to 375 in step of 5;

UL-xxxM-108HV, xxx= 325 to 335 in step of 5;

UL-xxxM-96HV, xxx= 290 to 300 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