



Product Service

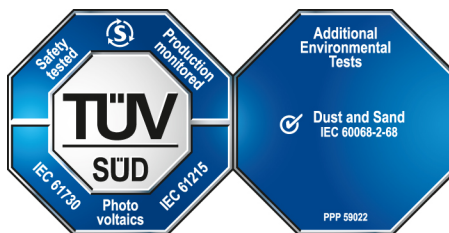
CERTIFICATE

No. Z2 083334 0076 Rev. 00

Holder of Certificate: Ningbo Ulica Solar Co., Ltd.

NO.181-197, 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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062400213-00

Valid until: 2029-10-13

Date, 2024-10-14

(Zhulin Zhang)

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CERTIFICATE

No. Z2 083334 0076 Rev. 00

Model(s):

All electrical data is shown as relative to standard test conditions:

front side irradiance 1000 W/m^2 , $25 \text{ }^\circ\text{C}$, AM 1.5)
UL-xxxM-156ADGN, xxx= 590 to 635 in step of 5
UL-xxxM-144ADGN, xxx= 545 to 595 in step of 5
UL-xxxM-132ADGN, xxx= 500 to 545 in step of 5
UL-xxxM-120ADGN, xxx= 455 to 495 in step of 5
UL-xxxM-108ADGN, xxx= 410 to 445 in step of 5
UL-xxxM-96ADGN, xxx= 365 to 395 in step of 5
UL-xxxM-156BDGN, xxx= 605 to 660 in step of 5
UL-xxxM-144BDGN, xxx= 560 to 610 in step of 5
UL-xxxM-132BDGN, xxx= 515 to 555 in step of 5
UL-xxxM-120BDGN, xxx= 465 to 505 in step of 5
UL-xxxM-108BDGN, xxx= 420 to 455 in step of 5
UL-xxxM-96BDGN, xxx= 375 to 405 in step of 5
UL-xxxM-144CDGN, xxx= 570 to 620 in step of 5
UL-xxxM-132CDGN, xxx= 525 to 565 in step of 5
UL-xxxM-120CDGN, xxx= 475 to 515 in step of 5
UL-xxxM-108CDGN, xxx= 430 to 465 in step of 5
UL-xxxM-96CDGN, xxx= 380 to 410 in step of 5
UL-xxxM-132DDGN, xxx= 575 to 620 in step of 5
UL-xxxM-120DDGN, xxx= 525 to 560 in step of 5
UL-xxxM-108DDGN, xxx= 470 to 505 in step of 5
UL-xxxM-96DDGN, xxx= 420 to 450 in step of 5
UL-xxxM-132DGN, xxx= 670 to 715 in step of 5
UL-xxxM-120DGN, xxx= 610 to 650 in step of 5
UL-xxxM-108DGN, xxx= 550 to 585 in step of 5
UL-xxxM-96DGN, xxx= 490 to 520 in step of 5
xxx is standing for rated output power at STC

All electrical data is shown as relative to this test conditions:

front side irradiance 1000 W/m^2 ,
backside irradiance 135 W/m^2 , $25 \text{ }^\circ\text{C}$, AM 1.5
UL-xxxM-156ABDGN, xxx= 650 to 695 in step of 5
UL-xxxM-144ABDGN, xxx= 605 to 655 in step of 5
UL-xxxM-132ABDGN, xxx= 555 to 600 in step of 5
UL-xxxM-120ABDGN, xxx= 500 to 540 in step of 5
UL-xxxM-108ABDGN, xxx= 450 to 485 in step of 5
UL-xxxM-96ABDGN, xxx= 400 to 430 in step of 5
UL-xxxM-156BBDGN, xxx= 670 to 725 in step of 5
UL-xxxM-144BBDGN, xxx= 620 to 670 in step of 5
UL-xxxM-132BBDGN, xxx= 570 to 610 in step of 5
UL-xxxM-120BBDGN, xxx= 515 to 555 in step of 5
UL-xxxM-108BBDGN, xxx= 465 to 500 in step of 5
UL-xxxM-96BBDGN, xxx= 415 to 445 in step of 5
UL-xxxM-144CBDGN, xxx= 630 to 680 in step of 5
UL-xxxM-132CBDGN, xxx= 580 to 620 in step of 5
UL-xxxM-120CBDGN, xxx= 525 to 565 in step of 5
UL-xxxM-108CBDGN, xxx= 475 to 510 in step of 5
UL-xxxM-96CBDGN, xxx= 420 to 450 in step of 5
UL-xxxM-132DBDGN, xxx= 635 to 680 in step of 5
UL-xxxM-120DBDGN, xxx= 580 to 615 in step of 5
UL-xxxM-108DBDGN, xxx= 520 to 555 in step of 5
UL-xxxM-96DBDGN, xxx= 465 to 495 in step of 5
UL-xxxM-132BDGN, xxx= 740 to 785 in step of 5
UL-xxxM-120BDGN, xxx= 675 to 710 in step of 5
UL-xxxM-108BDGN, xxx= 605 to 640 in step of 5
UL-xxxM-96BDGN, xxx= 540 to 570 in step of 5
xxx is standing for rated output power at BNPI



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Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC or 1000 V DC
Fire Safety Class:	Class C
Dust and sand test method:	IEC 60068-2-68,LC1
Dust/sand type:	95% SiO ₂
Dust /sand concentration:	5g/m ³
Testing air velocity:	20m/s
Test duration :	4h/each side.

Tested according to:

PPP 59022B:2021
IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023