



Product Service

CERTIFICATE

No. Z2 083334 0064 Rev. 04

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704062002304-04

Valid until: 2028-08-28

Date, 2023-08-30

(Zhulin Zhang)



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Model(s):

All electrical data is shown as relative to standard test conditions:
front side irradiance 1000 W/m², 25 °C, AM 1.5)

- UL-xxxM-144DG, xxx= 430 to 455 in step of 5
- UL-xxxM-120DG, xxx= 360 to 375 in step of 5
- UL-xxxM-108DG, xxx= 325 to 340 in step of 5
- UL-xxxM-96DG, xxx= 290 to 300 in step of 5
- UL-xxxM-144DG, xxx= 390 to 420 in step of 5
- UL-xxxM-120DG, xxx= 325 to 350 in step of 5
- UL-xxxM-108DG, xxx= 295 to 315 in step of 5
- UL-xxxM-96DG, xxx= 260 to 280 in step of 5
- UL-xxxM-156DGN, xxx= 590 to 630 in step of 5
- UL-xxxM-144DGN, xxx= 545 to 580 in step of 5
- UL-xxxM-132DGN, xxx= 500 to 530 in step of 5
- UL-xxxM-120DGN, xxx= 455 to 485 in step of 5
- UL-xxxM-108DGN, xxx= 410 to 435 in step of 5
- UL-xxxM-96DGN, xxx= 365 to 385 in step of 5
- UL-xxxM-132DG, xxx= 640 to 670 in step of 5
- UL-xxxM-120DG, xxx= 580 to 610 in step of 5
- UL-xxxM-108DG, xxx= 525 to 550 in step of 5

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

front side irradiance 1000 W/m², backside irradiance 135 W/m², 25 °C, AM 1.5

- UL-xxxM-144BDG, xxx= 475 to 500 in step of 5
 - UL-xxxM-120BDG, xxx= 400 to 415 in step of 5
 - UL-xxxM-108BDG, xxx= 360 to 375 in step of 5
 - UL-xxxM-96BDG, xxx= 320 to 330 in step of 5
 - UL-xxxM-144BDG, xxx= 430 to 460 in step of 5
 - UL-xxxM-120BDG, xxx= 360 to 380 in step of 5
 - UL-xxxM-108BDG, xxx= 325 to 345 in step of 5
 - UL-xxxM-96BDG, xxx= 290 to 305 in step of 5
 - UL-xxxM-156BDGN, xxx= 645 to 685 in step of 5
 - UL-xxxM-144BDGN, xxx= 605 to 640 in step of 5
 - UL-xxxM-132BDGN, xxx= 555 to 585 in step of 5
 - UL-xxxM-120BDGN, xxx= 500 to 530 in step of 5
 - UL-xxxM-108BDGN, xxx= 450 to 480 in step of 5
 - UL-xxxM-96BDGN, xxx= 400 to 425 in step of 5
 - UL-xxxM-132BDG, xxx= 705 to 735 in step of 5
 - UL-xxxM-120BDG, xxx= 640 to 670 in step of 5
 - UL-xxxM-108BDG, xxx= 575 to 600 in step of 5
- xxx is standing for rated output power at STC

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.
Safety Class:	Class II
Fire Safety Class:	Class A according to UL790
Maximum System Voltage:	1500 V DC

Tested according to:

- IEC 61215-1:2016
- IEC 61215-1-1:2016
- IEC 61215-2:2016
- IEC 61730-1:2016
- IEC 61730-2:2016