



Product Service

# CERTIFICATE

No. Z2 073899 0072 Rev. 09

**Holder of Certificate:** **ZNSHINE PV-TECH Co., Ltd.**  
No.1, South Zhenxing Road  
Industrial Zone, Zhixi Town, Jintan District  
213251 Changzhou City, Jiangsu Province  
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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704061810002-09

**Valid until:** 2028-05-24

**Date,** 2023-06-02

( Zhulin Zhang )

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## Model(s):

ZXM6-78-xxx/M, xxx= 400 to 430 in steps of 5  
ZXM6-72-xxx/M, xxx= 355 to 400 in steps of 5  
ZXM6-66-xxx/M, xxx= 340 to 365 in steps of 5  
ZXM6-60-xxx/M, xxx= 295 to 330 in steps of 5  
ZXM6-NH156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NP156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NO156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NH144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NP144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NO144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NH132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NP132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NO132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NH120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM6-NP120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM6-NO120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM6-NH156-xxx/M, xxx= 420 to 440 in steps of 5  
ZXM6-NP156-xxx/M, xxx= 420 to 440 in steps of 5  
ZXM6-NO156-xxx/M, xxx= 420 to 440 in steps of 5  
ZXM6-NH144-xxx/M, xxx= 390 to 410 in steps of 5  
ZXM6-NP144-xxx/M, xxx= 390 to 410 in steps of 5  
ZXM6-NO144-xxx/M, xxx= 390 to 410 in steps of 5  
ZXM6-NH132-xxx/M, xxx= 355 to 375 in steps of 5  
ZXM6-NP132-xxx/M, xxx= 355 to 375 in steps of 5  
ZXM6-NO132-xxx/M, xxx= 355 to 375 in steps of 5  
ZXM6-NH120-xxx/M, xxx= 325 to 340 in steps of 5  
ZXM6-NP120-xxx/M, xxx= 325 to 340 in steps of 5  
ZXM6-NO120-xxx/M, xxx= 325 to 340 in steps of 5  
ZXM6-H156-xxx/M, xxx= 415 to 435 in steps of 5  
ZXM6-P156-xxx/M, xxx= 415 to 435 in steps of 5  
ZXM6-H144-xxx/M, xxx= 380 to 405 in steps of 5  
ZXM6-P144-xxx/M, xxx= 380 to 405 in steps of 5  
ZXM6-H132-xxx/M, xxx= 350 to 370 in steps of 5  
ZXM6-P132-xxx/M, xxx= 350 to 370 in steps of 5  
ZXM6-H120-xxx/M, xxx= 320 to 335 in steps of 5  
ZXM6-P120-xxx/M, xxx= 320 to 335 in steps of 5  
ZXM6-NHDB156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NPDB156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NODB156-xxx/M, xxx= 455 to 500 in steps of 5  
ZXM6-NHDB144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NPDB144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NODB144-xxx/M, xxx= 420 to 460 in steps of 5  
ZXM6-NHDB132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NPDB132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NODB132-xxx/M, xxx= 385 to 420 in steps of 5  
ZXM6-NHDB120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM6-NPDB120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM6-NODB120-xxx/M, xxx= 350 to 385 in steps of 5  
ZXM7-UH144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-UP144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-UH132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-UP132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-UH120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-UP120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-UH108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-UP108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-EH144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-EP144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-EH132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-EP132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-EH120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-EP120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-EH108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-EP108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-SH156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SP156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SO156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SH144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-SP144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-SO144-xxx/M, xxx= 520 to 560 in steps of 5

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ZXM7-SH132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SP132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SO132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SH120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SP120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SO120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SH108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-SP108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-NH144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-NP144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-NH132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-NP132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-NH120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-NP120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-NH108-xxx/M, xxx= 380 to 420 in steps of 5  
ZXM7-NP108-xxx/M, xxx= 380 to 420 in steps of 5  
ZXM7-SHDB156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SPDB156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SODB156-xxx/M, xxx= 560 to 610 in steps of 5  
ZXM7-SHDB144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-SPDB144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-SODB144-xxx/M, xxx= 520 to 560 in steps of 5  
ZXM7-SHDB132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SPDB132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SODB132-xxx/M, xxx= 475 to 515 in steps of 5  
ZXM7-SHDB120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SPDB120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SODB120-xxx/M, xxx= 435 to 470 in steps of 5  
ZXM7-SHDB108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-SPDB108-xxx/M, xxx= 390 to 420 in steps of 5  
ZXM7-UH156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-UP156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-UH144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-UP144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-UH132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-UP132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-UH120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-UP120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-UH108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM7-UP108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM7-EH156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-EP156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-EH144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-EP144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-EH132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-EP132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-EH120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-EP120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-EH108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM7-EP108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM7-SH156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-SP156-xxx/N, xxx= 585 to 635 in steps of 5  
ZXM7-SH144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-SP144-xxx/N, xxx= 540 to 585 in steps of 5  
ZXM7-SH132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-SP132-xxx/N, xxx= 495 to 535 in steps of 5  
ZXM7-SH120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-SP120-xxx/N, xxx= 450 to 490 in steps of 5  
ZXM7-SH108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM7-SP108-xxx/N, xxx= 405 to 440 in steps of 5  
ZXM8-SH150-xxx/M, xxx= 480 to 515 in steps of 5  
ZXM8-SP150-xxx/M, xxx= 480 to 515 in steps of 5  
ZXM8-SO150-xxx/M, xxx= 480 to 515 in steps of 5  
ZXM8-SH140-xxx/M, xxx= 450 to 480 in steps of 5  
ZXM8-SP140-xxx/M, xxx= 450 to 480 in steps of 5  
ZXM8-SO140-xxx/M, xxx= 450 to 480 in steps of 5  
ZXM8-SH130-xxx/M, xxx= 420 to 445 in steps of 5  
ZXM8-SP130-xxx/M, xxx= 420 to 445 in steps of 5  
ZXM8-SO130-xxx/M, xxx= 420 to 445 in steps of 5  
ZXM8-SH120-xxx/M, xxx= 385 to 410 in steps of 5

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ZXM8-SP120-xxx/M, xxx= 385 to 410 in steps of 5  
 ZXM8-SO120-xxx/M, xxx= 385 to 410 in steps of 5  
 ZXM8-SH90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-SP90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-SO90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-SHDB150-xxx/M, xxx= 480 to 515 in steps of 5  
 ZXM8-SPDB150-xxx/M, xxx= 480 to 515 in steps of 5  
 ZXM8-SODB150-xxx/M, xxx= 480 to 515 in steps of 5  
 ZXM8-SHDB140-xxx/M, xxx= 450 to 480 in steps of 5  
 ZXM8-SPDB140-xxx/M, xxx= 450 to 480 in steps of 5  
 ZXM8-SODB140-xxx/M, xxx= 450 to 480 in steps of 5  
 ZXM8-SHDB130-xxx/M, xxx= 420 to 445 in steps of 5  
 ZXM8-SPDB130-xxx/M, xxx= 420 to 445 in steps of 5  
 ZXM8-SODB130-xxx/M, xxx= 420 to 445 in steps of 5  
 ZXM8-SHDB120-xxx/M, xxx= 385 to 410 in steps of 5  
 ZXM8-SPDB120-xxx/M, xxx= 385 to 410 in steps of 5  
 ZXM8-SODB120-xxx/M, xxx= 385 to 410 in steps of 5  
 ZXM8-SHDB90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-SPDB90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-SODB90-xxx/M, xxx= 290 to 310 in steps of 5  
 ZXM8-TP132-xxx/M, xxx= 630 to 670 in steps of 5  
 ZXM8-TH132-xxx/M, xxx= 630 to 670 in steps of 5  
 ZXM8-TP120-xxx/M, xxx= 575 to 610 in steps of 5  
 ZXM8-TH120-xxx/M, xxx= 575 to 610 in steps of 5  
 ZXM8-TP110-xxx/M, xxx= 525 to 560 in steps of 5  
 ZXM8-TH110-xxx/M, xxx= 525 to 560 in steps of 5  
 ZXM8-TP100-xxx/M, xxx= 480 to 510 in steps of 5  
 ZXM8-TH100-xxx/M, xxx= 480 to 510 in steps of 5  
 ZXM8-TP90-xxx/M, xxx= 430 to 455 in steps of 5  
 ZXM8-TH90-xxx/M, xxx= 430 to 455 in steps of 5  
 ZXM8-TP80-xxx/M, xxx= 385 to 405 in steps of 5  
 ZXM8-TH80-xxx/M, xxx= 385 to 405 in steps of 5  
 ZXM8-TP132-xxx/N, ZXM8-GP132-xxx/N,  
 ZXM8-YP132-xxx/N, xxx= 660 to 700 in steps of 5  
 ZXM8-TH132-xxx/N, ZXM8-GH132-xxx/N,  
 ZXM8-YH132-xxx/N, xxx= 660 to 700 in steps of 5  
 ZXM8-TP120-xxx/N, ZXM8-GP120-xxx/N,  
 ZXM8-YP120-xxx/N, xxx= 600 to 635 in steps of 5  
 ZXM8-TH120-xxx/N, ZXM8-GH120-xxx/N,  
 ZXM8-YH120-xxx/N, xxx= 600 to 635 in steps of 5  
 ZXM8-TP110-xxx/N, ZXM8-GP110-xxx/N,  
 ZXM8-YP110-xxx/N, xxx= 550 to 580 in steps of 5  
 ZXM8-TH110-xxx/N, ZXM8-GH110-xxx/N,  
 ZXM8-YH110-xxx/N, xxx= 550 to 580 in steps 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
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class C according to UL790

## Tested according to:

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