ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ СЕРТИФИКАТ ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 098081 0012 Rev. 20

Holder of Certificate: **Jolywood (Taizhou) Solar Technology Co., Ltd.**
Kaiyang Rd.Jiangyan Economic Development Zone
225500 Taizhou 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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 704061930402-20

Valid until: 2029-05-21

Date, 2024-05-27

(Zhulin Zhang)

Przekład na język polski

Certyfikat nr Z2 098081 0012, rewizja 20

Posiadacz certyfikatu

Jolywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd., Jiangyan Economic Development Zone
225500 Taizhou, prowincja Jiangsu
Chińska Republika Ludowa

Znak certyfikacji

Produkt

Naziemne moduły fotowoltaiczne (PV) z krzemu krystalicznego
Moduł fotowoltaiczny z krzemu monokrystalicznego

Produkt poddano dobrowolnym badaniom. Spełnia on zasadnicze wymagania. Przedstawiony powyżej znak certyfikacji można umieszczać na produkcie. Zabrania się dokonywania jakichkolwiek zmian w znaku certyfikacji. Posiadacz certyfikatu nie może przenosić certyfikatu na osoby trzecie. Certyfikat jest ważny do podanej daty, o ile nie zostanie wcześniej unieważniony. Należy przestrzegać wszystkich mających zastosowanie wymagań regulaminu badań, certyfikacji, walidacji i weryfikacji Grupy TÜV SÜD. Szczegółowe informacje pod adresem www.tuvsud.com/ps-cert.

Numer raportu z badań · 704061930402-20

Ważny do · 21.05.2029

Data · 27.05.2024

Zhulin Zhang

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

No. Z2 098081 0012 Rev. 20

Model(s):

JW-D72N-xxx, xxx= 365-410, in steps of 5
JW-D60N-xxx, xxx= 305-340, in steps of 5
JW-HD144N-xxx,xxx=390-420, in steps of 5
JW-HD120N-xxx, xxx=325-350, in steps of 5
JW-HD144P-xxx, xxx=390-415, in steps of 5
JW-HD120P-xxx, xxx=325-345, in steps of 5
JW-HD156N-xxx, xxx=425-455, in steps of 5
JW-HD156P-xxx, xxx=425-445, in steps of 5
JW-HD144N-xxx, xxx=430-470, in steps of 5
JW-HD120N-xxx, xxx=360-390, in steps of 5
JW-HD144P-xxx, xxx=430-450, in steps of 5
JW-HD120P-xxx, xxx=360-375, in steps of 5
JW-HD144N-xxx, xxx=525-590, in steps of 5
JW-HD144N-xxxS, xxx=545-590, in steps of 5
JW-HD108N-xxx, xxx=395-445, in steps of 5
JW-HD108N-xxxS, xxx=415-445, in steps of 5
JW-HD156N-xxx, xxx=580-635, in steps of 5
JW-HD156N-xxxS, xxx=610-635, in steps of 5
JW-HT156N-xxx, xxx=580-635, in steps of 5
JW-HT156N-xxxS, xxx=610-635, in steps of 5
JW-HT144N-xxx, xxx=525-590, in steps of 5
JW-HT144N-xxxS, xxx=545-590, in steps of 5
JW-HT108N-xxx, xxx=395-445, in steps of 5)
JW-HT108N-xxxS, xxx=415-445, in steps of 5)
JW-HD120N-xxx, JW-HD120N-xxxS, xxx=435-490, in steps of 5
JW-HD144P-xxx, JW-HD144P-xxxS, xxx=525-555, in steps of 5
JW-HD120P-xxx, JW-HD120P-xxxS, xxx=435-460, in steps of 5
JW-HD132N-xxx, JW-HD132N-xxxS, xxx=485-540, in steps of 5
JW-HD132P-xxx, JW-HD132P-xxxS, xxx=485-505, in steps of 5
JW-HD108P-xxx, JW-HD108P-xxxS, xxx=395-415, in steps of 5
JW-HD120P-xxx, JW-HD120P-xxxS, xxx=580-610, in steps of 5
JW-HD120N-xxx, JW-HD120N-xxxS, xxx=580-655, in steps of 5
JW-HD132N-xxx, JW-HD132N-xxxS, xxx=655-715, in steps of 5
JW-HD156P-xxx, JW-HD156P-xxxS, xxx=580-605, in steps of 5
JW-HT132N-xxx, JW-HT132N-xxxS, xxx=480-530, in steps of 5
JW-HT120N-xxx, JW-HT120N-xxxS, xxx=440-480, in steps of 5
JW-HT156P-xxx, JW-HT156P-xxxS, xxx=580-605, in steps of
JW-HT144P-xxx, JW-HT144P-xxxS, xxx=525-555, in steps of 5
JW-HT132P-xxx, JW-HT132P-xxxS, xxx=480-505, in steps of 5
JW-HT120P-xxx, JW-HT120P-xxxS, xxx=440-455, in steps of 5
JW-HT108P-xxx, JW-HT108P-xxxS xxx=395-415, in steps of 5
JW-HD156N-R0-xxx, JW-HD156N-R0-xxxS,
xxx=610-645, in steps of 5
JW-HD144N-R0-xxx, JW-HD144N-R0-xxxS,
xxx=570-595, in steps of 5
JW-HD108N-R0-xxx, JW-HD108N-R0-xxxS,
xxx=420-450, in steps of 5
JW-HD120N-R3-xxx, JW-HD120N-R3-xxxS,
xxx=480-515, in steps of 5
JW-HD108N-R3-xxx, JW-HD108N-R3-xxxS,
xxx=430-460, in steps of 5
JW-HD144N-R1-xxx, JW-HD144N-R1-xxxS,
xxx=595-625, in steps of 5
JW-HD120N-R1-xxx, JW-HD120N-R1-xxxS,
xxx=495-525, in steps of 5
JW-HD108N-R1-xxx, JW-HD108N-R1-xxxS,

Product Service

Przekład na język polski

Certyfikat nr Z2 098081 0012, rewizja 20

Modele

JW-D72N-xxx, xxx = 365–410 W, co 5 W
JW-D60N-xxx, xxx = 305–340 W, co 5 W
JW-HD144N-xxx, xxx = 390–420 W, co 5 W
JW-HD120N-xxx, xxx = 325–350 W, co 5 W
JW-HD144P-xxx, xxx = 390–415 W, co 5 W
JW-HD120P-xxx, xxx = 325–345 W, co 5 W
JW-HD156N-xxx, xxx = 425–455 W, co 5 W
JW-HD156P-xxx, xxx = 425–445 W, co 5 W
JW-HD144N-xxx, xxx = 430–470 W, co 5 W
JW-HD120N-xxx, xxx = 360–390 W, co 5 W
JW-HD144P-xxx, xxx = 430–450 W, co 5 W
JW-HD120P-xxx, xxx = 360–375 W, co 5 W
JW-HD144N-xxx, xxx = 525–590 W, co 5 W
JW-HD144N-xxxS, xxx = 545–590 W, co 5 W
JW-HD108N-xxx, xxx = 395–445 W, co 5 W
JW-HD108N-xxxS, xxx = 415–445 W, co 5 W
JW-HD156N-xxx, xxx = 580–635 W, co 5 W
JW-HD156N-xxxS, xxx = 610–635 W, co 5 W
JW-HT156N-xxx, xxx = 580–635 W, co 5 W
JW-HT156N-xxxS, xxx = 610–635 W, co 5 W
JW-HT144N-xxx, xxx = 525–590 W, co 5 W
JW-HT144N-xxxS, xxx = 545–590 W, co 5 W
JW-HT108N-xxx, xxx = 395–445 W, co 5 W
JW-HT108N-xxxS, xxx = 415–445 W, co 5 W
JW-HD120N-xxx, JW-HD120N-xxxS, xxx = 435–490 W, co 5 W
JW-HD144P-xxx, JW-HD144P-xxxS, xxx = 525–555 W, co 5 W
JW-HD120P-xxx, JW-HD120P-xxxS, xxx = 435–460 W, co 5 W
JW-HD132N-xxx, JW-HD132N-xxxS, xxx = 485–540 W, co 5 W
JW-HD132P-xxx, JW-HD132P-xxxS, xxx = 485–505 W, co 5 W
JW-HD108P-xxx, JW-HD108P-xxxS, xxx = 395–415 W, co 5 W
JW-HD120P-xxx, JW-HD120P-xxxS, xxx = 580–610 W, co 5 W
JW-HD120N-xxx, JW-HD120N-xxxS, xxx = 580–655 W, co 5 W
JW-HD132N-xxx, JW-HD132N-xxxS, xxx = 655–715 W, co 5 W
JW-HD156P-xxx, JW-HD156P-xxxS, xxx = 580–605 W, co 5 W
JW-HT132N-xxx, JW-HT132N-xxxS, xxx = 480–530 W, co 5 W
JW-HT120N-xxx, JW-HT120N-xxxS, xxx = 440–480 W, co 5 W
JW-HT156P-xxx, JW-HT156P-xxxS, xxx = 580–605 W, krok [wartość niepodana w oryginale]
JW-HT144P-xxx, JW-HT144P-xxxS, xxx = 525–555 W, co 5 W
JW-HT132P-xxx, JW-HT132P-xxxS, xxx = 480–505 W, co 5 W
JW-HT120P-xxx, JW-HT120P-xxxS, xxx = 440–455 W, co 5 W
JW-HT108P-xxx, JW-HT108P-xxxS xxx = 395–415 W, co 5 W
JW-HD156N-R0-xxx, JW-HD156N-R0-xxxS, xxx = 610–645 W, co 5 W
JW-HD144N-R0-xxx, JW-HD144N-R0-xxxS, xxx = 570–595 W, co 5 W
JW-HD108N-R0-xxx, JW-HD108N-R0-xxxS, xxx = 420–450 W, co 5 W
JW-HD120N-R3-xxx, JW-HD120N-R3-xxxS, xxx = 480–515 W, co 5 W
JW-HD108N-R3-xxx, JW-HD108N-R3-xxxS, xxx = 430–460 W, co 5 W
JW-HD144N-R1-xxx, JW-HD144N-R1-xxxS, xxx = 595–625 W, co 5 W
JW-HD120N-R1-xxx, JW-HD120N-R1-xxxS, xxx = 495–525 W, co 5 W
JW-HD108N-R1-xxx, JW-HD108N-R1-xxxS,

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**xxx=445-470, in steps of 5
JW-HD132N-R2-xxx, JW-HD132N-R2-xxxS,
xxx=595-625, in steps of 5
JW-HD120N-R2-xxx, JW-HD120N-R2-xxxS,
xxx=540-570, in steps of 5
JW-HD108N-R2-xxx, JW-HD108N-R2-xxxS,
xxx=485-515, in steps of 5
JW-HD96N-R2-xxx, JW-HD96N-R2-xxxS,
xxx=430-460, in steps of 5
JW-HT156N-R0-xxx, JW-HT156N-R0-xxxS,
xxx=615-645, in steps of 5
JW-HT144N-R0-xxx, JW-HT144N-R0-xxxS,
xxx=570-600, in steps of 5
JW-HT108N-R0-xxx, JW-HT108N-R0-xxxS,
xxx=420-450, in steps of 5
JW-HT120N-R3-xxx, JW-HT120N-R3-xxxS,
xxx=480-510, in steps of 5
JW-HT108N-R3-xxx, JW-HT108N-R3-xxxS,
xxx=430-460, in steps of 5
JW-HT144N-R1-xxx, JW-HT144N-R1-xxxS,
xxx=595-625, in steps of 5
JW-HT120N-R1-xxx, JW-HT120N-R1-xxxS,
xxx=495-520, in steps of 5
JW-HT108N-R1-xxx, JW-HT108N-R1-xxxS,
xxx=445-470, in steps of 5
JW-HT132N-R2-xxx, JW-HT132N-R2-xxxS,
xxx=595-625, in steps of 5
JW-HT120N-R2-xxx, JW-HT120N-R2-xxxS,
xxx=540-570, in steps of 5
JW-HT108N-R2-xxx, JW-HT108N-R2-xxxS,
xxx=485-515, in steps of 5
JW-HT96N-R2-xxx, JW-HT96N-R2-xxxS,
xxx=430-455, in steps of 5)
xxx stands for rated output power at STC**

Parameters:

Construction:	Framed or frameless, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class A or Class C according to UL 790
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute, No. 10 West Kaifa Road, Yangzhou, 225009 Jiangsu, P. R. China.

Product Service

Przekład na język polski

Certyfikat nr Z2 098081 0012, rewizja 20

xxx = 445–470 W, co 5 W

JW-HD132N-R2-xxx, JW-HD132N-R2-xxxS, xxx = 595–625 W, co 5 W
JW-HD120N-R2-xxx, JW-HD120N-R2-xxxS, xxx = 540–570 W, co 5 W
JW-HD108N-R2-xxx, JW-HD108N-R2-xxxS, xxx = 485–515 W, co 5 W
JW-HD96N-R2-xxx, JW-HD96N-R2-xxxS, xxx = 430–460 W, co 5 W
JW-HT156N-R0-xxx, JW-HT156N-R0-xxxS, xxx = 615–645 W, co 5 W
JW-HT144N-R0-xxx, JW-HT144N-R0-xxxS, xxx = 570–600 W, co 5 W
JW-HT108N-R0-xxx, JW-HT108N-R0-xxxS, xxx = 420–450 W, co 5 W
JW-HT120N-R3-xxx, JW-HT120N-R3-xxxS, xxx = 480–510 W, co 5 W
JW-HT108N-R3-xxx, JW-HT108N-R3-xxxS, xxx = 430–460 W, co 5 W
JW-HT144N-R1-xxx, JW-HT144N-R1-xxxS, xxx = 595–625 W, co 5 W
JW-HT120N-R1-xxx, JW-HT120N-R1-xxxS, xxx = 495–520 W, co 5 W
JW-HT108N-R1-xxx, JW-HT108N-R1-xxxS, xxx = 445–470 W, co 5 W
JW-HT132N-R2-xxx, JW-HT132N-R2-xxxS, xxx = 595–625 W, co 5 W
JW-HT120N-R2-xxx, JW-HT120N-R2-xxxS, xxx = 540–570 W, co 5 W
JW-HT108N-R2-xxx, JW-HT108N-R2-xxxS, xxx = 485–515 W, co 5 W
JW-HT96N-R2-xxx, JW-HT96N-R2-xxxS, xxx = 430–455 W, co 5 W
Symbol xxx oznacza znamionową moc wyjściową w standardowych warunkach testowych (STC).

Parametry

Budowa · Z ramą lub bez ramy, ze skrzynką przyłączeniową, przewodem i złączami.

Klasa ochronności · II

Maksymalne napięcie systemu · 1500 V DC

Klasa bezpieczeństwa pożarowego · Klasa A lub C według UL 790.

Laboratorium badawcze

Yangzhou Opto-Electrical Products Testing Institute
No. 10 West Kaifa Road, Yangzhou
225009 Jiangsu, Chińska Republika Ludowa

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

No. Z2 098081 0012 Rev. 20

Production Facility(ies):

1.Jolywood(Taizhou) Solar Technology Co., Ltd. (98081)
Kaiyang Rd. Jiangyan Economic Development Zone, 225500, Taizhou City,Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA

2.FENGYANG JOY ENERGY TECHNOLOGY CO., LTD (114309)
88 East Yongqing Road, Economic Development Zone, Fengyang County, 233100 Chuzhou City, Anhui Province, PEOPLE'S REPUBLIC OF CHINA

3.Jolywood (Jiangsu) Light Energy Technology Co., Ltd. (117735)
No. 6-1 Kaiyang Rd.Jiangyan Economic Development Zone 225500 Taizhou City,Jiangsu Province PEOPLE'S REPUBLIC OF CHINA

Tested according to:

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

Przekład na język polski

Certyfikat nr Z2 098081 0012, rewizja 20

Zakłady produkcyjne

1. Jolywood (Taizhou) Solar Technology Co., Ltd. (98081)
Kaiyang Rd., Jiangyan Economic Development Zone, 225500 Taizhou, prowincja Jiangsu, Chińska Republika Ludowa.

2. FENGYANG JOY ENERGY TECHNOLOGY CO., LTD (114309)
88 East Yongqing Road, Economic Development Zone, powiat Fengyang, 233100 Chuzhou, prowincja Anhui, Chińska Republika Ludowa.

3. Jolywood (Jiangsu) Light Energy Technology Co., Ltd. (117735)
No. 6-1 Kaiyang Rd., Jiangyan Economic Development Zone, 225500 Taizhou, prowincja Jiangsu, Chińska Republika Ludowa.

Badania przeprowadzono zgodnie z normami

IEC 61215-1:2016

IEC 61215-1-1:2016

IEC 61215-2:2016

IEC 61730-1:2016

IEC 61730-2:2016

Jolywood 500 W **Jolywood 460 W** **Oryginał certyfikatu**