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

Product Service

CERTIFICATE

No. Z2 098081 0020 Rev. 01

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.: 704062423204-01

Valid until: 2029-05-30

Date, 2024-06-06

(Zhulin Zhang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Tłumaczenie na język polski

CERTYFIKAT
Nr Z2 098081 0020, rew. 01
Strona 1 z 3
Posiadacz certyfikatu:
Jolywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd., Jiangyan Economic Development Zone
225500 Taizhou City, prowincja Jiangsu
CHIŃSKA REPUBLIKA LUDOWA

Znak certyfikacji przedstawiono w oryginale po lewej.

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

Produkt poddano dobrowolnym badaniom. Spełnia on zasadnicze wymagania. Znak certyfikacji przedstawiony w oryginale można umieszczać na produkcie. Nie wolno w żaden sposób zmieniać tego znaku. Posiadacz certyfikatu nie może również przenosić certyfikatu na osoby trzecie. Certyfikat jest ważny do wskazanej daty, o ile nie zostanie wcześniej unieważniony. Należy przestrzegać wszystkich mających zastosowanie wymagań regulaminu badań, certyfikacji, walidacji i weryfikacji Grupy TÜV SÜD. Szczegółowe informacje: www.tuvsud.com/ps-cert

Nr sprawozdania z badań: 704062423204-01
Ważny do: 2029-05-30
Data: 2024-06-06
(Zhulin Zhang)
TÜV SÜD Product Service GmbH • Jednostka certyfikująca • Ridlerstraße 65 • 80339 Monachium • Niemcy

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

Product Service

CERTIFICATE

No. Z2 098081 0020 Rev. 01

Model(s):

JW-HD156N-xxx, JW-HD156N-xxxS (xxx=610-635, in steps of 5)
JW-HD144N-xxx, JW-HD144N-xxxS (xxx=545-590, in steps of 5)
JW-HD108N-xxx, JW-HD108N-xxxS (xxx=415-445, 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 (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-HD132N-xxx, JW-HD132N-xxxS (xxx=685-715, in steps of 5)
JW-HD120N-xxx, JW-HD120N-xxxS (xxx=625-655, in steps of 5)
JW-HD156P-xxx, JW-HD156P-xxxS (xxx=580-605, in steps of 5)
JW-HD144P-xxx, JW-HD144P-xxxS (xxx=525-555, in steps of 5)
JW-HD108P-xxx, JW-HD108P-xxxS (xxx=395-415, in steps of 5)
JW-HD144N-R4-xxx, JW-HD144N-R4-xxxS (xxx=610-640, in steps of 5)
JW-HT156N-xxx, JW-HT156N-xxxS (xxx=610-635, in steps of 5)
JW-HT144N-xxx, JW-HT144N-xxxS (xxx=545-590, in steps of 5)
JW-HT108N-xxx, JW-HT108N-xxxS (xxx=415-445, 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)
JW-HT156P-xxx, JW-HT156P-xxxS (xxx=580-605, in steps of 5)
JW-HT144P-xxx, JW-HT144P-xxxS (xxx=525-555, in steps of 5)
JW-HT108P-xxx, JW-HT108P-xxxS (xxx=395-415, in steps of 5)
xxx stands for rated output power at STC

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Tłumaczenie na język polski

CERTYFIKAT
Nr Z2 098081 0020, rew. 01

Modele:
JW-HD156N-xxx, JW-HD156N-xxxS (xxx=610-635, co 5)
JW-HD144N-xxx, JW-HD144N-xxxS (xxx=545-590, co 5)
JW-HD108N-xxx, JW-HD108N-xxxS (xxx=415-445, co 5)
JW-HD156N-R0-xxx, JW-HD156N-R0-xxxS (xxx=610-645, co 5)
JW-HD144N-R0-xxx, JW-HD144N-R0-xxxS (xxx=570-595, co 5)
JW-HD108N-R0-xxx, JW-HD108N-R0-xxxS (xxx=420-450, co 5)
JW-HD120N-R3-xxx, JW-HD120N-R3-xxxS (xxx=480-515, co 5)
JW-HD108N-R3-xxx, JW-HD108N-R3-xxxS (xxx=430-460, co 5)
JW-HD144N-R1-xxx, JW-HD144N-R1-xxxS (xxx=595-625, co 5)
JW-HD120N-R1-xxx, JW-HD120N-R1-xxxS (xxx=495-525, co 5)
JW-HD108N-R1-xxx, JW-HD108N-R1-xxxS (xxx=445-470, co 5)
JW-HD132N-R2-xxx, JW-HD132N-R2-xxxS (xxx=595-625, co 5)
JW-HD120N-R2-xxx, JW-HD120N-R2-xxxS (xxx=540-570, co 5)
JW-HD108N-R2-xxx, JW-HD108N-R2-xxxS (xxx=485-515, co 5)
JW-HD96N-R2-xxx, JW-HD96N-R2-xxxS (xxx=430-460, co 5)
JW-HD132N-xxx, JW-HD132N-xxxS (xxx=685-715, co 5)
JW-HD120N-xxx, JW-HD120N-xxxS (xxx=625-655, co 5)
JW-HD156P-xxx, JW-HD156P-xxxS (xxx=580-605, co 5)
JW-HD144P-xxx, JW-HD144P-xxxS (xxx=525-555, co 5)
JW-HD108P-xxx, JW-HD108P-xxxS (xxx=395-415, co 5)
JW-HD144N-R4-xxx, JW-HD144N-R4-xxxS (xxx=610-640, co 5)
JW-HT156N-xxx, JW-HT156N-xxxS (xxx=610-635, co 5)
JW-HT144N-xxx, JW-HT144N-xxxS (xxx=545-590, co 5)
JW-HT156N-xxx, JW-HT156N-xxxS (xxx=610-635, co 5)
JW-HT144N-xxx, JW-HT144N-xxxS (xxx=545-590, co 5)
JW-HT108N-xxx, JW-HT108N-xxxS (xxx=415-445, co 5)
JW-HT156N-R0-xxx, JW-HT156N-R0-xxxS (xxx=615-645, co 5)
JW-HT144N-R0-xxx, JW-HT144N-R0-xxxS (xxx=570-600, co 5)
JW-HT108N-R0-xxx, JW-HT108N-R0-xxxS (xxx=420-450, co 5)
JW-HT120N-R3-xxx, JW-HT120N-R3-xxxS (xxx=480-510, co 5)
JW-HT108N-R3-xxx, JW-HT108N-R3-xxxS (xxx=430-460, co 5)
JW-HT144N-R1-xxx, JW-HT144N-R1-xxxS (xxx=595-625, co 5)
JW-HT120N-R1-xxx, JW-HT120N-R1-xxxS (xxx=495-520, co 5)
JW-HT108N-R1-xxx, JW-HT108N-R1-xxxS (xxx=445-470, co 5)
JW-HT132N-R2-xxx, JW-HT132N-R2-xxxS (xxx=595-625, co 5)
JW-HT120N-R2-xxx, JW-HT120N-R2-xxxS (xxx=540-570, co 5)
JW-HT108N-R2-xxx, JW-HT108N-R2-xxxS (xxx=485-515, co 5)
JW-HT96N-R2-xxx, JW-HT96N-R2-xxxS (xxx=430-455, co 5)
JW-HT156P-xxx, JW-HT156P-xxxS (xxx=580-605, co 5)
JW-HT144P-xxx, JW-HT144P-xxxS (xxx=525-555, co 5)
JW-HT108P-xxx, JW-HT108P-xxxS (xxx=395-415, co 5)
xxx oznacza znamionową moc wyjściową w standardowych warunkach testowych (STC).
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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

CERTIFICATE

No. Z2 098081 0020 Rev. 01

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC
Fire Safety Class:	Class C according to UL 790
Test Laboratory:	Changzhou HuaYang Inspection and Testing Technology Co., Ltd. NO.8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, China

Factories：

1：Jolywood (Jiangsu) Light Energy Technology Co., Ltd.
No. 6-1 Kaiyang Rd.Jiangyan Economic Development Zone 225500 Taizhou City,Jiangsu Province PEOPLE'S REPUBLIC OF CHINA
2： FENGYANG JOY ENERGY TECHNOLOGY CO., LTD
88 East Yongqing Road, Economic Development Zone, Fengyang County, 233100 Chuzhou City, Anhui Province PEOPLE'S REPUBLIC OF CHINA
3：Jollywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd.Jiangyan Economic Development Zone,Taizhou City,Jiangsu Province,225500 PEOPLE'S REPUBLIC OF CHINA

Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023

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Tłumaczenie na język polski

CERTYFIKAT
Nr Z2 098081 0020, rew. 01
Strona 3 z 3
Parametry:
Konstrukcja: moduł z ramą, puszką przyłączeniową, przewodem i złączami.
Klasa ochronności: klasa II
Maksymalne napięcie systemu: 1500 V DC
Klasa bezpieczeństwa pożarowego: klasa C według UL 790

Laboratorium badawcze:
Changzhou HuaYang Inspection and Testing Technology Co., Ltd.
No. 8 Lanxiang Road, Wujin Economic Development Zone, Changzhou, Jiangsu, Chiny

Zakłady produkcyjne:
1. Jolywood (Jiangsu) Light Energy Technology Co., Ltd.
No. 6-1 Kaiyang Rd., Jiangyan Economic Development Zone, 225500 Taizhou City, prowincja Jiangsu, Chińska Republika Ludowa
2. FENGYANG JOY ENERGY TECHNOLOGY CO., LTD
88 East Yongqing Road, Economic Development Zone, Fengyang County, 233100 Chuzhou City, prowincja Anhui, Chińska Republika Ludowa
3. Jollywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd., Jiangyan Economic Development Zone, Taizhou City, prowincja Jiangsu, 225500, Chińska Republika Ludowa

Badania przeprowadzono według norm:
IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
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