

[Kod QR i logo:]
TUV SUD
Product Service

CERTYFIKAT

Nr Z2 098081 0020 Rev. 01

Posiadacz certyfikatu:

Jolywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd., Jiangyan Economic Development Zone
225500 Taizhou City, Jiangsu Province
CHIŃSKA REPUBLIKA LUDOWA

Znak certyfikacji:



Produkt:

Naziemne moduły fotowoltaiczne z krzemu krystalicznego
Moduł fotowoltaiczny z krzemu monokrystalicznego

Produkt został przetestowany dobrowolnie i spełnia podstawowe wymagania. Powyższy znak certyfikacji może być umieszczony na produkcie. Zabrania się jakiegokolwiek modyfikowania znaku certyfikacji. Ponadto posiadacz certyfikatu nie może przekazywać certyfikatu osobom trzecim. Certyfikat jest ważny do wskazanej daty, chyba że zostanie wcześniej unieważniony. Należy przestrzegać wszystkich obowiązujących wymagań dotyczących testowania, certyfikacji, walidacji i weryfikacji Grupy TÜV SÜD. Szczegóły dostępne na stronie: www.tuvsud.com/ps-cert

Numer raportu z badań: 704062423204-01

Ważny do: 2029.05.30

Data: 2024.06.06

[Podpis nieczytelny]
(Zhulin Zhang)

Strona 1 z 3

TÜV SÜD Product Service GmbH • Jednostka Certyfikująca • Ridlerstraße 65 • 80339
Monachium • Niemcy

CERTYFIKAT

Nr Z2 098081 0020 Rev. 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-HT108N-xxx, JW-HT108N-xxxS (xxx=415-445, co 5)
W-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 przy standardowych warunkach testowych (STC)

Strona 2 z 3



CERTYFIKAT

Nr Z2 098081 0020 Rev. 01

Parametry: Konstrukcja: rama, z puszką przyłączeniową, kablem i złączami
Klasa bezpieczeństwa: Klasa II
Maksymalne napięcie systemu: 1500 V DC
Klasa odporności ogniowej: Klasa C zgodnie z UL 790

Laboratorium testowe: 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,
Jiangsu Province, CHIŃSKA REPUBLIKA LUDOWA
2. FENGYANG JOY ENERGY TECHNOLOGY CO., LTD
88 East Yongqing Road, Economic Development Zone, Fengyang County, 233100
Chuzhou City, Anhui Province, CHIŃSKA REPUBLIKA LUDOWA
3. Jollywood (Taizhou) Solar Technology Co., Ltd.
Kaiyang Rd. Jiangyan Economic Development Zone, Taizhou City, Jiangsu Province,
225500, CHIŃSKA REPUBLIKA LUDOWA

Przetestowano zgodnie z: IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023

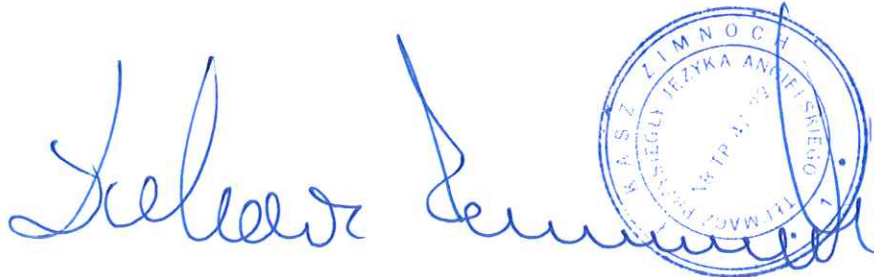
Strona 3 z 3

TÜV SÜD Product Service GmbH • Jednostka Certyfikująca • Ridlerstraße 65 • 80339
Monachium • Niemcy

[Uwagi tłumacza pisane są kursywą w nawiasach kwadratowych.]

Ja, Łukasz Zimnoch, Tłumacz Przysięgły Języka Angielskiego, wpisany do rejestru tłumaczy przysięgłych prowadzonego przez Ministra Sprawiedliwości Rzeczypospolitej Polskiej pod nr TP/47/22, zaświadczam, iż według mojej wiedzy i przekonania powyższe tłumaczenie jest zgodne z okazanym dokumentem w języku angielskim.

Repertorium nr 1480/2025
26 maja 2025





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)

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

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 : Jollywood (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