

Certyfikat

Nr Z2 084110 0008 Rew. 08

Posiadacz Certyfikatu: Jiangsu Green Power New Energy Co., Ltd.
No. 1, Longmen Road
Wujin High-tech Industrial Area
213000 Changzhou, Jiangsu
Chiny

Znak Certyfikacji: [Logo] TÜV Süd

Produkt: Moduły fotowoltaiczne (PV) z krzemu monokrystalicznego
do zastosowań naziemnych

Produkt został przetestowany dobrowolnie i jest on zgodny z zasadniczymi wymogami. Wyrób można opatrzyć oznaczeniem certyfikacji, zamieszczonym powyżej. Zmiana oznaczenia certyfikacji w jakikolwiek sposób jest zabroniona. Ponadto posiadaczowi Certyfikatu nie wolno go przenieść na osoby trzecie. Ważność Certyfikatu odnosi się do podanej daty, chyba że zostanie wcześniej odwołany. Wszystkie obowiązujące wymagania oraz przepisy dotyczące badań i certyfikacji Grupy TÜV Süd muszą zostać spełnione.
Więcej szczegółów na: www.tuvsud.com/ps-cert

Nr sprawozdania z badań: 704062020002-08

Ważny do: 2028-02-12

[Podpis]

Data, 2023-02-15 (Zhulin Zhang)

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Modele:

SOLA-S144/FNH-xxx-HV(xxx=395-420, z przyrostem co 5);
SOLA-S120/FNH-xxx-HV(xxx=330-350, z przyrostem co 5);
SOLA-S144/M6H-xxx(xxx=415-460, z przyrostem co 5);
SOLA-S120/M6H-xxx(xxx=345-380, z przyrostem co 5);
SOLA-S156/M6H-xxx(xxx=450-495, z przyrostem co 5);
SOLA-S132/M6H-xxx(xxx=380-420, z przyrostem co 5);
SOLA-S108/M6H-xxx(xxx=315-340, z przyrostem co 5);
SOLA-S156/M10H-xxx(xxx=560-620, z przyrostem co 5);
SOLA-S144/M10H-xxx(xxx=530-575, z przyrostem co 5);
SOLA-S132/M10H-xxx(xxx=480-525, z przyrostem co 5);
SOLA-S120/M10H-xxx(xxx=435-480, z przyrostem co 5);
SOLA-S108/M10H-xxx(xxx=390-430, z przyrostem co 5);
SOLA-S144/M6H-xxx-BG(xxx=440-465, z przyrostem co 5);
SOLA-S132/M6H-xxx-BG(xxx=405-425, z przyrostem co 5);
SOLA-S120/M6H-xxx-BG(xxx=370-385, z przyrostem co 5);
SOLA-S108/M6H-xxx-BG(xxx=330-345, z przyrostem co 5);
SOLA-S132/M12H-xxx(xxx=650-670, z przyrostem co 5);
SOLA-S120/M12H-xxx(xxx=590-605, z przyrostem co 5);
SOLA-S110/M12H-xxx(xxx=545-555, z przyrostem co 5);
SOLA-S100/M12H-xxx(xxx=495-505, z przyrostem co 5);

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SOLA-S144/M10H-xxx-BG(xxx=505-545, z przyrostem co 5);
SOLA-S132/M10H-xxx-BG(xxx=465-500, z przyrostem co 5);
SOLA-S120/M10H-xxx-BG(xxx=420-455, z przyrostem co 5);
SOLA-S108/M10H-xxx-BG(xxx=380-405, z przyrostem co 5);
SOLA-S132/M12H-xxx-BG(xxx=630-660, z przyrostem co 5);
SOLA-S120/M12H-xxx-BG(xxx=570-600, z przyrostem co 5);
SOLA-S108/M12H-xxx-BG(xxx=510-540, z przyrostem co 5);
SOLA-S110/M12H-xxx-BG(xxx=525-550, z przyrostem co 5);
SOLA-S100/M12H-xxx-BG(xxx=480-500, z przyrostem co 5);

*xxx oznacza znamionową moc wyjściową w warunkach STC.

Wszystkie dane elektryczne przedstawiono w odniesieniu poniższych warunków testowych:
natężenie promieniowania - przód 1000 W/m², natężenie promieniowania - tył 135 W/m²,
25 °C, AM 1,5

SOLA-S144/M10H-xxx-BG(xxx=555-590, z przyrostem co 5);
SOLA-S132/M10H-xxx-BG(xxx=510-540, z przyrostem co 5);
SOLA-S120/M10H-xxx-BG(xxx=465-490, z przyrostem co 5);
SOLA-S108/M10H-xxx-BG(xxx=420-440, z przyrostem co 5);
SOLA-S132/M12H-xxx-BG(xxx=695-715, z przyrostem co 5);
SOLA-S120/M12H-xxx-BG(xxx=635-645, z przyrostem co 5);
SOLA-S108/M12H-xxx-BG(xxx=570-585, z przyrostem co 5);
SOLA-S110/M12H-xxx-BG(xxx=580-595, z przyrostem co 5);
SOLA-S100/M12H-xxx-BG(xxx=530-540, z przyrostem co 5);

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Parametry:

Klasa ochrony: klasa II

Maks. napięcie systemu: 1500V DC

Laboratorium testowe: Yangzhou Opto-Electrical

Products Testing Institute

No. 10 West Kaifa Road, Yangzhou 225009 Jiangsu, P.R. Chiny

Specyfikacja: Z ramą, skrzynka przyłączeniowa,
przewód, złącze.

Klasa odporności ogniowej: klasa C, zgodnie z normą
UL790.

Testowano zgodnie
z normami:

IEC 61215-1:2016

EN 61215-1:2016

IEC 61215-1-1:2016

EN 61215-1-1:2016

IEC 61215-2:2016

EN 61215-2:2017

IEC 61730-1:2016

EN IEC 61730-1:2018

EN IEC 61730-1:2018/AC:2018-06

IEC 61730-2:2016

EN IEC 61730-2:2018

EN IEC 61730-2:2018/AC:2018-06

Przetłumaczono z języka angielskiego na podstawie oryginału Nr Z2 084110 0008 Rew. 08



Product Service

CERTIFICATE

No. Z2 084110 0008 Rev. 08

Holder of Certificate: **Jiangsu Green Power New Energy Co., Ltd.**

No.1, Longmen Road
Wujin High-tech Industrial Area
213000 Changzhou, Jiangsu
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.: 704062020002-08

Valid until: 2028-02-12

Date, 2023-02-15

(Zhulin Zhang)

CERTIFICATE

No. Z2 084110 0008 Rev. 08

Model(s):

GPNE-S144/FNH-xxx-HV(xxx=395-420, in step of 5);
 GPNE-S120/FNH-xxx-HV(xxx=330-350, in step of 5);
 SOLA-S144/FNH-xxx-HV(xxx=395-420, in step of 5);
 SOLA-S120/FNH-xxx-HV(xxx=330-350, in step of 5);
 VDS-S144/FNH-xxx-HV(xxx=395-420, in step of 5);
 VDS-S120/FNH-xxx-HV(xxx=330-350, in step of 5);
 GPNE-S144/M6H-xxx(xxx=415-460, in step of 5);
 GPNE-S120/M6H-xxx(xxx=345-380, in step of 5);
 SOLA-S144/M6H-xxx(xxx=415-460, in step of 5);
 SOLA-S120/M6H-xxx(xxx=345-380, in step of 5);
 VDS-S144/M6H-xxx(xxx=415-460, in step of 5);
 VDS-S120/M6H-xxx(xxx=345-380, in step of 5);
 GPNE-S156/M6H-xxx(xxx=450-495 in step of 5);
 GPNE-S132/M6H-xxx(xxx=380-420 in step of 5);
 GPNE-S108/M6H-xxx(xxx=315-340 in step of 5);
 SOLA-S156/M6H-xxx(xxx=450-495 in step of 5);
 SOLA-S132/M6H-xxx(xxx=380-420 in step of 5);
 SOLA-S108/M6H-xxx(xxx=315-340 in step of 5);
 VDS-S156/M6H-xxx(xxx=450-495 in step of 5);
 VDS-S132/M6H-xxx(xxx=380-420 in step of 5);
 VDS-S108/M6H-xxx(xxx=315-340 in step of 5);
 GPNE-S156/M10H-xxx(xxx=560-620, in step of 5);
 GPNE-S144/M10H-xxx(xxx=530-575, in step of 5);
 GPNE-S132/M10H-xxx(xxx=480-525, in step of 5);
 GPNE-S120/M10H-xxx(xxx=435-480, in step of 5);
 GPNE-S108/M10H-xxx(xxx=390-430, in step of 5);
 SOLA-S156/M10H-xxx(xxx=560-620, in step of 5);
 SOLA-S144/M10H-xxx(xxx=530-575, in step of 5);
 SOLA-S132/M10H-xxx(xxx=480-525, in step of 5);
 SOLA-S120/M10H-xxx(xxx=435-480, in step of 5);
 SOLA-S108/M10H-xxx(xxx=390-430, in step of 5);
 VDS-S156/M10H-xxx(xxx=560-620, in step of 5);
 VDS-S144/M10H-xxx(xxx=530-575, in step of 5);
 VDS-S132/M10H-xxx(xxx=480-525, in step of 5);
 VDS-S120/M10H-xxx(xxx=435-480, in step of 5);
 VDS-S108/M10H-xxx(xxx=390-430, in step of 5);
 GPNE-S144/M6H-xxx-BG(xxx=440-465, in step of 5);
 GPNE-S132/M6H-xxx-BG(xxx=405-425, in step of 5);
 GPNE-S120/M6H-xxx-BG(xxx=370-385, in step of 5);
 GPNE-S108/M6H-xxx-BG(xxx=330-345, in step of 5);
 SOLA-S144/M6H-xxx-BG(xxx=440-465, in step of 5);
 SOLA-S132/M6H-xxx-BG(xxx=405-425, in step of 5);
 SOLA-S120/M6H-xxx-BG(xxx=370-385, in step of 5);
 SOLA-S108/M6H-xxx-BG(xxx=330-345, in step of 5);
 VDS-S144/M6H-xxx-BG(xxx=440-465, in step of 5);
 VDS-S132/M6H-xxx-BG(xxx=405-425, in step of 5);
 VDS-S120/M6H-xxx-BG(xxx=370-385, in step of 5);
 VDS-S108/M6H-xxx-BG(xxx=330-345, in step of 5);
 GPNE-S132/M12H-xxx(xxx=650-670, in step of 5);
 GPNE-S120/M12H-xxx(xxx=590-605, in step of 5);
 GPNE-S110/M12H-xxx(xxx=545-555, in step of 5);
 GPNE-S100/M12H-xxx(xxx=495-505, in step of 5);
 SOLA-S132/M12H-xxx(xxx=650-670, in step of 5);
 SOLA-S120/M12H-xxx(xxx=590-605, in step of 5);
 SOLA-S110/M12H-xxx(xxx=545-555, in step of 5);
 SOLA-S100/M12H-xxx(xxx=495-505, in step of 5);
 VDS-S132/M12H-xxx(xxx=650-670, in step of 5);
 VDS-S120/M12H-xxx(xxx=590-605, in step of 5);
 VDS-S110/M12H-xxx(xxx=545-555, in step of 5);
 VDS-S100/M12H-xxx(xxx=495-505, in step of 5);
 GPNE-S144/M10H-xxx-BG(xxx=505-545, in step of 5);
 GPNE-S132/M10H-xxx-BG(xxx=465-500, in step of 5);

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GPNE-S120/M10H-xxx-BG(xxx=420-455, in step of 5);
 GPNE-S108/M10H-xxx-BG(xxx=380-405, in step of 5);
 SOLA-S144/M10H-xxx-BG(xxx=505-545, in step of 5);
 SOLA-S132/M10H-xxx-BG(xxx=465-500, in step of 5);
 SOLA-S120/M10H-xxx-BG(xxx=420-455, in step of 5);
 SOLA-S108/M10H-xxx-BG(xxx=380-405, in step of 5);
 VDS-S144/M10H-xxx-BG(xxx=505-545, in step of 5);
 VDS-S132/M10H-xxx-BG(xxx=465-500, in step of 5);
 VDS-S120/M10H-xxx-BG(xxx=420-455, in step of 5);
 VDS-S108/M10H-xxx-BG(xxx=380-405, in step of 5);
 GPNE-S132/M12H-xxx-BG(xxx=630-660, in step of 5);
 GPNE-S120/M12H-xxx-BG(xxx=570-600, in step of 5);
 GPNE-S108/M12H-xxx-BG(xxx=510-540, in step of 5);
 GPNE-S110/M12H-xxx-BG(xxx=525-550, in step of 5);
 GPNE-S100/M12H-xxx-BG(xxx=480-500, in step of 5);
 SOLA-S132/M12H-xxx-BG(xxx=630-660, in step of 5);
 SOLA-S120/M12H-xxx-BG(xxx=570-600, in step of 5);
 SOLA-S108/M12H-xxx-BG(xxx=510-540, in step of 5);
 SOLA-S110/M12H-xxx-BG(xxx=525-550, in step of 5);
 SOLA-S100/M12H-xxx-BG(xxx=480-500, in step of 5);
 VDS-S132/M12H-xxx-BG(xxx=630-660, in step of 5);
 VDS-S120/M12H-xxx-BG(xxx=570-600, in step of 5);
 VDS-S108/M12H-xxx-BG(xxx=510-540, in step of 5);
 VDS-S110/M12H-xxx-BG(xxx=525-550, in step of 5);
 VDS-S100/M12H-xxx-BG(xxx=480-500, in step of 5);
 xxx is standing for rated output power at STC.

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

GPNE-S144/M10H-xxx-BG(xxx=555-590, in step of 5);
 GPNE-S132/M10H-xxx-BG(xxx=510-540, in step of 5);
 GPNE-S120/M10H-xxx-BG(xxx=465-490, in step of 5);
 GPNE-S108/M10H-xxx-BG(xxx=420-440, in step of 5);
 SOLA-S144/M10H-xxx-BG(xxx=555-590, in step of 5);
 SOLA-S132/M10H-xxx-BG(xxx=510-540, in step of 5);
 SOLA-S120/M10H-xxx-BG(xxx=465-490, in step of 5);
 SOLA-S108/M10H-xxx-BG(xxx=420-440, in step of 5);
 VDS-S144/M10H-xxx-BG(xxx=555-590, in step of 5);
 VDS-S132/M10H-xxx-BG(xxx=510-540, in step of 5);
 VDS-S120/M10H-xxx-BG(xxx=465-490, in step of 5);
 VDS-S108/M10H-xxx-BG(xxx=420-440, in step of 5);
 GPNE-S132/M12H-xxx-BG(xxx=695-715, in step of 5);
 GPNE-S120/M12H-xxx-BG(xxx=635-645, in step of 5);
 GPNE-S108/M12H-xxx-BG(xxx=570-585, in step of 5);
 GPNE-S110/M12H-xxx-BG(xxx=580-595, in step of 5);
 GPNE-S100/M12H-xxx-BG(xxx=530-540, in step of 5);

SOLA-S132/M12H-xxx-BG(xxx=695-715, in step of 5);
 SOLA-S120/M12H-xxx-BG(xxx=635-645, in step of 5);
 SOLA-S108/M12H-xxx-BG(xxx=570-585, in step of 5);
 SOLA-S110/M12H-xxx-BG(xxx=580-595, in step of 5);
 SOLA-S100/M12H-xxx-BG(xxx=530-540, in step of 5);
 VDS-S132/M12H-xxx-BG(xxx=695-715, in step of 5);
 VDS-S120/M12H-xxx-BG(xxx=635-645, in step of 5);
 VDS-S108/M12H-xxx-BG(xxx=570-585, in step of 5);
 VDS-S110/M12H-xxx-BG(xxx=580-595, in step of 5);
 VDS-S100/M12H-xxx-BG(xxx=530-540, in step of 5);

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Parameters:

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

Tested according to:

IEC 61215-1:2016
EN 61215-1:2016
IEC 61215-1-1:2016
EN 61215-1-1:2016
IEC 61215-2:2016
EN 61215-2:2017
IEC 61730-1:2016
EN IEC 61730-1:2018
EN IEC 61730-1:2018/AC:2018-06
IEC 61730-2:2016
EN IEC 61730-2:2018
EN IEC 61730-2:2018/AC:2018-06