



Product Service

Attestation of Conformity

No. N8A 004172 0009 Rev. 00

| | |
|-------------------------------|---|
| Holder of Certificate: | Jinneng Clean Energy Technology Ltd. No.1 Wenshui Economic Development Zone 032100 Lvliang City, Shanxi Province PEOPLE'S REPUBLIC OF CHINA |
| Product: | Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Mono-crystalline Silicon Photovoltaic (PV) Modules |
| Model(s): | With 166mm 1/2 cut mono C-Si solar cell: JNMM144-xxx (xxx=425-455, in steps of 5) JNMM120-xxx (xxx=355-375, in steps of 5) With 158.75mm 1/2 cut mono C-Si solar cell: JNMM144-xxx (xxx=375-410, in steps of 5) JNMM120-xxx (xxx=315-340, in steps of 5) xxx is standing for rated output power at STC |
| Parameters: | Safety Class: Class II Max. System Voltage: 1500V DC Fire Safety Class: Class C according to UL790 Test Laboratory: Yangzhou Opto-electrical product testing institute (10 Kaifa West Rd., Yangzhou, Jiangsu, P. R. China 225009) Construction: Framed, with Junction box, cable and connector |
| Tested according to: | EN IEC 61730-1:2018 EN IEC 61730-2:2018 EN IEC 61730-1:2018/AC:2018-06 EN IEC 61730-2:2018/AC:2018-06 |

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 882162010601

Date, 2020-07-15

(Xinlian LUO)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.



Product Service

CERTIFICATE

No. Z2 004172 0010 Rev. 00

Holder of Certificate: **Jinneng Clean Energy Technology Ltd.**

No.1 Wenshui Economic
Development Zone
032100 Lvliang City, Shanxi Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

**Crystalline Silicon Terrestrial Photovoltaic
(PV) Modules**
**Mono-crystalline Silicon Photovoltaic (PV)
Modules**

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.: 882162010601

Valid until: 2025-07-09

Date, 2020-07-15

(Xinlian LUO)

CERTIFICATE

No. Z2 004172 0010 Rev. 00

Model(s): With 166mm 1/2 cut mono C-Si solar cell:
JNMM144-xxx (xxx=425-455, in steps of 5)
JNMM120-xxx (xxx=355-375, in steps of 5)
 With 158.75mm 1/2 cut mono C-Si solar cell:
JNMM144-xxx (xxx=375-410, in steps of 5)
JNMM120-xxx (xxx=315-340, in steps of 5)
xxx is standing for rated output power at STC

Parameters:

Safety Class: Class II
 Max. System Voltage: 1500V DC
 Fire Safety Class: Class C according to UL790
 Test Laboratory: Yangzhou Opto-electrical product testing institute
 (10 Kaifa West Rd., Yangzhou, Jiangsu, P. R. China 225009)
 Construction: Framed, with Junction box, cable and connector

Production Facilities:

1. JINNENG CLEAN ENERGY TECHNOLOGY LTD.
 No.1 Wenshui Economic Development Zone Lvliang, Shanxi, 032100, China
 Production Facility Number: 004172
 2. Jinneng Photovoltaic Technology Ltd.
 No. 533, East Guang'an Street, Green-car Park, Jinzhong Development Park, Demonstrative Zone of
 Shanxi Comprehensive Reform, Jinzhong City Shanxi Province, 030600, China
 Production Facility Number: 106879

Tested according to:

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

Production Facility(ies):

004172, 106879



Product Service

CERTIFICATE

No. Z2 004172 0010 Rev. 03

Holder of Certificate: **Jinneng Clean Energy Technology Ltd.**

No.1 Wenshui Economic
Development Zone
032100 Lvliang City, Shanxi Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product:

**Crystalline Silicon Terrestrial Photovoltaic
(PV) Modules**
**Mono-crystalline Silicon Photovoltaic (PV)
Modules**

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.: 882162010603

Valid until: 2027-06-01

Date, 2022-06-17

(Xinlian LUO)



Product Service

CERTIFICATE

No. Z2 004172 0010 Rev. 03

Model(s):

With 166mm 1/2 cut mono C-Si solar cell:
JNMM144-xxx (xxx=425-455, in steps of 5)
JNMM120-xxx (xxx=355-380, in steps of 5)
 With 158.75mm 1/2 cut mono C-Si solar cell:
JNMM144-xxx (xxx=375-410, in steps of 5)
JNMM120-xxx (xxx=315-340, in steps of 5)
 With 182mm 1/2 cut mono C-Si solar cell:
JNMM144-xxx (xxx=520-555, in steps of 5)
JNMM132-xxx (xxx=480-505, in steps of 5)
JNMM120-xxx (xxx=435-460, in steps of 5)
JNMM108-xxx (xxx=390-415, in steps of 5)
JNMM96-xxx (xxx=350-365, in steps of 5)
 With 210mm 1/2 cut mono C-Si solar cell:
JNMM132-xxx (xxx=630-675, in steps of 5)
JNMM120-xxx (xxx=575-610, in steps of 5)
xxx is standing for rated output power at STC

Parameters:

Safety Class: Class II
 Max. System Voltage: 1500V DC
 Fire Safety Class: Class C according to UL790
 Test Laboratory: Yangzhou Opto-electrical product testing institute
 (10 Kaifa West Rd., Yangzhou, Jiangsu, P. R. China 225009)
 Construction: Framed, with Junction box, cable and connector

Production Facilities:

1. JINNENG CLEAN ENERGY TECHNOLOGY LTD.
 No.1 Wenshui Economic Development Zone Lvliang, Shanxi, 032100, China
 Production Facility Number: 004172
 2. Jinneng Photovoltaic Technology Ltd.
 No. 533, East Guang'an Street, Green-car Park, Jinzhong Development Park, Demonstrative Zone of Shanxi Comprehensive Reform, Jinzhong City Shanxi Province, 030600, China
 Production Facility Number: 106879

Tested according to:

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

Certificate of conformity of the modules

1. Manufacturer: Jinneng Clean Energy Technology Ltd.
2. This declaration of conformity is issued under the sole responsibility of the manufacturer: Manufacturer: Jinneng Clean Energy Technology Ltd.
3. Description of the product: crystalline silicon terrestrial photovoltaic (PV) modules mono-crystalline silicon photovoltaic (PV) module. Model Number-JNMM144-450
4. Complies with the directives: The Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits.
5. Complies with the standards: EN IEC 61730-1:2018

EN IEC 61730-2:2018

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

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

6. Name of the labs that tested: Yangzhou Opto-electrical products testing institute.

Manufacturer or authorized representative in the community.

If there is any discrepancy between the Spanish language version attached and the English version, the English version should prevail.

Name: Wang Qi

Position: QA department manager

Signature and stamp



Certificado de conformidad de los módulos

1. El fabricante: Jinneng Clean Energy Technology Ltd.
2. Dicha declaración de conformidad es se expide por el fabricante: Jinneng Clean Energy Technology Ltd. y el fabricante suma la responsabilidad exclusivamente.
3. La descripción del producto: módulo fotovoltaico de silicio cristalino al terrestre; módulo fotovoltaico de silicio monocristalino. modelo - JNMM144-450
4. Directiva de conformidad: dicha certificación de conformidad se expide con carácter voluntario de conformidad con la Directiva 2014 / 35 / UE de baja tensión sobre equipos eléctricos diseñados para su uso dentro de límites de tensión específicos.
5. Cumplimiento de las normas: EN IEC 61730-1:2018
EN IEC 61730-2:2018
EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018/AC:2018-06
6. Nombre del laboratorio de la prueba: Yangzhou Opto-electrical products testing institute.

El fabricante o representante autorizado en la comunidad.

Nombre: Wang Qi

Título : Gerente del departamento de controlde calidad

Firma y sello

