

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0001

**Berichtsnummer** *Report No.:*  
CN24LDFA 001

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
13 Fertigungsstätten auf Folgeseiten  
*Listing of 13 factories on following pages*

## Prüfzeichen *Test Mark:*



## Geprüft nach *Tested according to:*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2024-04-03  
*Valid from:*

**Ausstellungsdatum:** 2024-04-03  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0001

**Berichtsnummer** *Report No.:*

CN24LDFA 001

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM72N(DG)/F-BH-xxx (xxx=535-610, in steps of 5, 144 cells)

CHSM60N(DG)/F-BH-xxx (xxx=450-505, in steps of 5, 120 cells)

CHSM54N(DG)/F-BH-xxx (xxx=405-455, in steps of 5, 108 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

CHSM72N(DG)/F-BH-xxx (xxx=590-665, in steps of 5, 144 cells)

CHSM60N(DG)/F-BH-xxx (xxx=485-550, in steps of 5, 120 cells)

CHSM54N(DG)/F-BH-xxx (xxx=445-495, in steps of 5, 108 cells)

xxx represents output power in Wp

Remarks:

Fire Rating: Class A (according to UL 790)

Design Load/Safety Factors: 3600 Pa / 1.5 (downward)

1600 Pa / 1.5 (upward)

Conditions:

The product test is voluntarily according to technical regulations.

Any change of the design, materials, components or processing

may require the repetition of some of the qualification tests in order to retain type approval.



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0002

**Berichtsnummer** *Report No.:*  
CN24LDFA 002

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
13 Fertigungsstätten auf Folgeseiten  
*Listing of 13 factories on following pages*

## Prüfzeichen *Test Mark:*



## Geprüft nach *Tested according to:*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2024-04-15  
*Valid from:*

**Ausstellungsdatum:** 2024-04-15  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat Certificate

**Zertifikatsnummer Certificate No.:**

PV 50625618 0002

**Berichtsnummer Report No.:**

CN24LDFA 002

**Produkt Product:** PV Module

**Modell Type:** **Bezeichnung Designation:**

Same as Page 0001

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM78N(DG)/F-BH-xxx (xxx=580-645, in steps of 5, 156 cells)

CHSM72N(DGT)/F-BH-xxx (xxx=525-600, in steps of 5, 144 cells)

CHSM60N(DGT)/F-BH-xxx (xxx=440-500, in steps of 5, 120 cells)

CHSM54N(DGT)/F-BH-xxx (xxx=395-450, in steps of 5, 108 cells)

CHSM54N(DGT)(BLH)/F-BH-xxx (xxx=395-450, in steps of 5, 108 cells)

CHSM48N(DGT)/F-BH-xxx (xxx=350-400, in steps of 5, 96 cells)

CHSM78N(DG)/F-HC-xxx (xxx=590-645, in steps of 5, 156 cells)

CHSM72N(DG)/F-HC-xxx (xxx=550-610, in steps of 5, 144 cells)

CHSM60N(DG)/F-HC-xxx (xxx=460-505, in steps of 5, 120 cells)

CHSM54N(DG)/F-HC-xxx (xxx=415-455, in steps of 5, 108 cells)

CHSM72RN(DG)/F-BH-xxx (xxx=580-620, in steps of 5, 144 cells)

CHSM54RN(DG)/F-BH-xxx (xxx=435-465, in steps of 5, 108 cells)

CHSM66RN(DG)/F-BH-xxx (xxx=585-615, in steps of 5, 132 cells)

CHSM66RN(DG)/F-HC-xxx (xxx=585-615, in steps of 5, 132 cells)

CHSM54RNs(DG)/F-BH-xxx (xxx=430-460, in steps of 5, 108 cells)

CHSM54RNs(DG)/F-HC-xxx (xxx=430-460, in steps of 5, 108 cells)

CHSM54RNs(DG)(BLH)/F-BH-xxx (xxx=425-455, in steps of 5, 108 cells)

CHSM54RNs(DGT)(BLH)/F-BH-xxx (xxx=425-455, in steps of 5, 108 cells)

CHSM54RNs(DGT)/F-BH-xxx (xxx=430-455, in steps of 5, 108 cells)

With ½ cut mono c-Si cells:

CHSM72M(DG)/F-BH-xxx (xxx=525-565, in steps of 5, 144 cells)

CHSM72M(DGT)/F-BH-xxx (xxx=510-540, in steps of 5, 144 cells)

CHSM78M(DG)/F-HC-xxx (xxx=580-615, in steps of 5, 156 cells)

CHSM72M(DG)/F-HC-xxx (xxx=535-550, in steps of 5, 144 cells)

CHSM60M(DG)/F-HC-xxx (xxx=450-455, in steps of 5, 120 cells)

CHSM54M(DG)/F-HC-xxx (xxx=405-410, in steps of 5, 108 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut of N-type mono c-Si cells:

CHSM78N(DG)/F-BH-xxx (xxx=640-705, in steps of 5, 156 cells)

CHSM72N(DGT)/F-BH-xxx (xxx=580-655, in steps of 5, 144 cells)

CHSM60N(DGT)/F-BH-xxx (xxx=490-545, in steps of 5, 120 cells)

CHSM54N(DGT)/F-BH-xxx (xxx=440-495, in steps of 5, 108 cells)

CHSM54N(DGT)(BLH)/F-BH-xxx (xxx=440-490, in steps of 5, 108 cells)

CHSM48N(DGT)/F-BH-xxx (xxx=390-440, in steps of 5, 96 cells)

With ½ cut mono c-Si cells:

CHSM72M(DG)/F-BH-xxx (xxx=575-615, in steps of 5, 144 cells)

CHSM72M(DGT)/F-BH-xxx (xxx=565-595, in steps of 5, 144 cells)

CHSM72RN(DG)/F-BH-xxx (xxx=640-680, in steps of 5, 144 cells)

CHSM54RN(DG)/F-BH-xxx (xxx=480-510, in steps of 5, 108 cells)

CHSM66RN(DG)/F-BH-xxx (xxx=645-675, in steps of 5, 132 cells)

CHSM54RNs(DG)/F-BH-xxx (xxx=475-505, in steps of 5, 108 cells)

CHSM54RNs(DG)(BLH)/F-BH-xxx (xxx=465-495, in steps of 5, 108 cells)

CHSM54RNs(DGT)(BLH)/F-BH-xxx (xxx=470-500, in steps of 5, 108 cells)

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0002

**Berichtsnummer** *Report No.:*

CN24LDFA 002

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*

CHSM54RNs(DGT) /F-BH-xxx (xxx=475-500, in steps of 5, 108 cells)  
xxx represents output power in Wp



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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0003

**Berichtsnummer** *Report No.:*  
CN24LDFA 008

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
14 Fertigungsstätten auf Folgeseiten  
*Listing of 14 factories on following pages*

## Prüfzeichen *Test Mark:*



## Geprüft nach *Tested according to:*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2024-06-26  
*Valid from:*

**Ausstellungsdatum:** 2024-06-26  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0003

**Berichtsnummer** *Report No.:*  
CN24LDFA 008

**Produkt** *Product:* PV Module

**Modell** *Type:* **Bezeichnung** *Designation:*  
Same as Page 0001-0002

**Remarks:**

- Fire Rating: Class A or C according to UL790 (refer to test report for details)
- Manufacturing plant update: see annex.



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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0004

**Berichtsnummer** *Report No.:*

CN24LDFA 011

**Genehmigungsinhaber** *License Holder:*

Chint New Energy Technology

Co., Ltd.

No. 1 Jisheng Road,

Jianshan New Zone

Haining

314415 Zhejiang

P.R. China

**Fertigungsstätte** *Manufacturing Site:*

15 Fertigungsstätten auf Folgeseiten

*Listing of 15 factories on following pages*
**Prüfzeichen** *Test Mark:*

**Geprüft nach** *Tested according to:*

IEC 61215-1:2021

IEC 61215-1-1:2021

IEC 61215-2:2021

IEC 61730-1:2023

IEC 61730-2:2023

EN IEC 61215-1:2021

EN IEC 61215-1-1:2021

EN IEC 61215-2:2021

EN IEC 61730-1:2018

EN IEC 61730-2:2018

**Geräteidentifikation**
*Product Identification*
**Produkt:** PV Module

*Product:*
**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet

*Type:* *Type designation(s) are listed on the next page(s)*
**Technische Daten:** Class II acc. to IEC 61140

*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02

*Date of expiry:*
**Gültig ab:** 2024-07-30

*Valid from:*
**Ausstellungsdatum:** 2024-07-30

*Date of issue:*
**Zertifizierungsstelle:**
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

[www.tuv.com](http://www.tuv.com)
**TÜVRheinland®**  
Precisely Right.

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0004

**Berichtsnummer** *Report No.:*

CN24LDFA 011

**Produkt** *Product:* PV Module

**Modell** *Type:* **Bezeichnung** *Designation:*

Same as Page 0001-0003

In addition:

Power range extension for following models:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut mono c-Si cells:

CHSM66RN(DG)/F-BH-xxx (xxx=620, 132 cells)

CHSM66RN(DG)/F-HC-xxx (xxx=620, 132 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut mono c-Si cells:

CHSM66RN(DG)/F-BH-xxx (xxx=680, 132 cells)

New model types:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut mono c-Si cells:

CHSM72N(DG)/F-BH-IA-xxx (xxx=535-610, in steps of 5, 144 cells)

CHSM78N(DG)/F-BH-IA-xxx (xxx=580-645, in steps of 5, 156 cells)

CHSM60RNs(DGT)(BLH)/F-BH-xxx (xxx=480-515, in steps of 5, 120 cells)

CHSM60RNs(DG)(BLH)/F-BH-xxx (xxx=480-515, in steps of 5, 120 cells)

CHSM60RNs(DG)/F-BH-xxx (xxx=480-515, in steps of 5, 120 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut mono c-Si cells:

CHSM72N(DG)/F-BH-IA-xxx (xxx=590-665, in steps of 5, 144 cells)

CHSM78N(DG)/F-BH-IA-xxx (xxx=640-705, in steps of 5, 156 cells)

CHSM60RNs(DGT)(BLH)/F-BH-xxx (xxx=530-565, in steps of 5, 120 cells)

CHSM60RNs(DG)(BLH)/F-BH-xxx (xxx=530-565, in steps of 5, 120 cells)

CHSM60RNs(DG)/F-BH-xxx (xxx=530-565, in steps of 5, 120 cells)

xxx represents output power in Wp

Remarks:

- Manufacturing plant update: see annex.



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0005

**Berichtsnummer** *Report No.:*  
CN24LDFA 017

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
16 Fertigungsstätten auf Folgeseiten  
*Listing of 16 factories on following pages*

## Prüfzeichen *Test Mark:*



IEC 61215  
IEC 61730  
Regular Production  
Surveillance

www.tuv.com  
ID 1111275281

## Geprüft nach *Tested according to:*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2024-10-29  
*Valid from:*

**Ausstellungsdatum:** 2024-10-29  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
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<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0005

**Berichtsnummer** *Report No.:*

CN24LDFA 017

**Produkt** *Product:* PV Module

**Modell** *Type:* **Bezeichnung** *Designation:*

Same as Page 0001-0004

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

CHSM66N(DG)/F-BH-xxx (xxx=685-720, in steps of 5, 132 cells)

CHSM54RN(DG)/F-BH-xxx (xxx=495-515, in steps of 5, 108 cells)

CHSM54RN(DGT)(BLH)/F-BH-xxx (xxx=495-510, in steps of 5, 108 cells)

CHSM48RN(DG)(BLH)/F-BH-xxx (xxx=440-455, in steps of 5, 96 cells)

CHSM48RN(DG)/F-BH-xxx (xxx=440-455, in steps of 5, 96 cells)

CHSM48RN(DGT)(BLH)/F-BH-xxx (xxx=440-455, in steps of 5, 96 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut N-type mono c-Si cells:

CHSM66N(DG)/F-BH-xxx (xxx=755-790, in steps of 5, 132 cells)

CHSM54RN(DG)/F-BH-xxx (xxx=545-565, in steps of 5, 108 cells)

CHSM54RN(DGT)(BLH)/F-BH-xxx (xxx=545-560, in steps of 5, 108 cells)

CHSM48RN(DG)(BLH)/F-BH-xxx (xxx=485-500, in steps of 5, 96 cells)

CHSM48RN(DG)/F-BH-xxx (xxx=485-500, in steps of 5, 96 cells)

CHSM48RN(DGT)(BLH)/F-BH-xxx (xxx=485-500, in steps of 5, 96 cells)

Power range extension for following models:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut N-type mono c-Si cells:

CHSM66RN(DG)/F-BH-xxx (xxx=625-630, in steps of 5, 132 cells)

CHSM78N(DG)/F-HC-xxx (xxx=650-665, in steps of 5, 156 cells)

With ½ cut mono c-Si cells:

CHSM72M(DG)/F-HC-xxx (xxx=555-570, in steps of 5, 144 cells)

CHSM60M(DG)/F-HC-xxx (xxx=460-475, in steps of 5, 120 cells)

CHSM54M(DG)/F-HC-xxx (xxx=415-425, in steps of 5, 108 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut N-type mono c-Si cells:

CHSM66RN(DG)/F-BH-xxx (xxx=685-690, in steps of 5, 132 cells)

xxx represents output power in Wp

Remarks:

- Manufacturing plant update: see annex.



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0006

**Berichtsnummer** *Report No.:*  
CN24LDFA 020

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
16 Fertigungsstätten auf Folgeseiten  
*Listing of 16 factories on following pages*

## Prüfzeichen *Test Mark:*



## Geprüft nach *Tested according to:*

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IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2024-12-04  
*Valid from:*

**Ausstellungsdatum:** 2024-12-04  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*

Angela Yao



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Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0006

**Berichtsnummer** *Report No.:*

CN24LDFA 020

**Produkt** *Product:* PV Module

**Modell** *Type:* **Bezeichnung** *Designation:*

Same as Page 0001-0005

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM78RN(DG)/F-BH-xxx

(xxx=710-745, in steps of 5, 156 cells)

Max. System Voltage: up to 1500 VDC (Voc at BNPI):

With ½ cut of N-type mono c-Si cells:

CHSM78RN(DG)/F-BH-xxx

(xxx=780-815, in steps of 5, 156 cells)

xxx represents output power in Wp



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*  
PV 50625618 0007

**Berichtsnummer** *Report No.:*  
CN24LDFA 027

**Genehmigungsinhaber** *License Holder:*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

**Fertigungsstätte** *Manufacturing Site:*  
16 Fertigungsstätten auf Folgeseiten  
*Listing of 16 factories on following pages*

## Prüfzeichen *Test Mark:*



## Geprüft nach *Tested according to:*

IEC 61215-1:2021  
IEC 61215-1-1:2021  
IEC 61215-2:2021  
IEC 61730-1:2023  
IEC 61730-2:2023  
EN IEC 61215-1:2021  
EN IEC 61215-1-1:2021  
EN IEC 61215-2:2021  
EN IEC 61730-1:2018  
EN IEC 61730-2:2018

## Geräteidentifikation

### *Product Identification*

**Produkt:** PV Module  
*Product:*

**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet  
*Type:* *Type designation(s) are listed on the next page(s)*

**Technische Daten:** Class II acc. to IEC 61140  
*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02  
*Date of expiry:*

**Gültig ab:** 2025-01-21  
*Valid from:*

**Ausstellungsdatum:** 2025-01-21  
*Date of issue:*

**Zertifizierungsstelle:**  
*Certification body:*



*Zeichen*

Elle Hu

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**  
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0007

**Berichtsnummer** *Report No.:*

CN24LDFA 027

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*

Same as Page 0001-0006

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM66N(DG)/F-BH-xxx (xxx=685-720, in steps of 5, 132 cells,  
Pmax@BNPI=753.5, 759.0, 764.5, 770.0, 775.5, 781.0, 786.5, 792.0)

CHSM78RN(DG)/F-BH-xxx (xxx=710-745, in steps of 5, 156 cells,  
Pmax@BNPI=781.0, 786.5, 792.0, 797.5, 803.0, 808.5, 814.0, 819.5)

xxx represents output power in Wp



# Zertifikat *Certificate*

**Zertifikatsnummer Certificate No.:**

PV 50625618 0008

**Berichtsnummer Report No.:**

CN24LDFA 033

**Genehmigungsinhaber License Holder:**

Chint New Energy Technology

Co., Ltd.

No. 1 Jisheng Road,

Jianshan New Zone

Haining

314415 Zhejiang

P.R. China

**Fertigungsstätte Manufacturing Site:**

16 Fertigungsstätten auf Folgeseiten

*Listing of 16 factories on following pages*
**Prüfzeichen Test Mark:**


IEC 61215  
IEC 61730  
Regular Production  
Surveillance

www.tuv.com  
ID 1111275281

**Geprüft nach Tested according to:**

IEC 61215-1:2021

IEC 61215-1-1:2021

IEC 61215-2:2021

IEC 61730-1:2023

IEC 61730-2:2023

EN IEC 61215-1:2021

EN IEC 61215-1-1:2021

EN IEC 61215-2:2021

EN IEC 61730-1:2018

EN IEC 61730-2:2018

**Geräteidentifikation**
*Product Identification*
**Produkt:** PV Module

*Product:*
**Modell:** Modelle sind auf nächste(r) Seite(n) gelistet

*Type:* *Type designation(s) are listed on the next page(s)*
**Technische Daten:** Class II acc. to IEC 61140

*Technical Data:* For other ratings, refer to the test report

**Gültig bis:** 2029-04-02

*Date of expiry:*
**Gültig ab:** 2025-03-11

*Valid from:*
**Ausstellungsdatum:** 2025-03-11

*Date of issue:*
**Zertifizierungsstelle:**
*Certification body:*

Angela Yao



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
*This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.*

**TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg**
<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935

[www.tuv.com](http://www.tuv.com)
**TÜVRheinland®**  
Precisely Right.

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0008

**Berichtsnummer** *Report No.:*

CN24LDFA 033

**Produkt** *Product:* PV Module

**Modell** *Type:* **Bezeichnung** *Designation:*  
Same as Page 0001-0007

In addition:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM09Ns(DG)(BLH)/F-BH-xxx

(xxx=65-70, in steps of 5, 18 cells, Pmax@BNPI=71.7, 77.2)

Add BNPI power range for below model types:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM72N(DG)/F-BH-xxx

(xxx=535-610, in steps of 5, 144 cells, Pmax@BNPI=591.6, 597.1,

602.6, 608.1, 613.7, 619.2, 624.7, 630.3, 635.8, 641.3, 646.8,

652.4, 657.9, 663.4, 669.0)

CHSM60N(DG)/F-BH-xxx

(xxx=440-505, in steps of 5, 120 cells, Pmax@BNPI=497.3, 502.8,

508.3, 513.8, 519.4, 524.9, 530.4, 535.9, 541.5, 547.0, 552.5,

558.0)

CHSM54N(DG)/F-BH-xxx

(xxx=405-455, in steps of 5, 108 cells, Pmax@BNPI=447.5, 453.1,

458.6, 464.1, 469.6, 475.2, 480.7, 486.2, 491.7, 497.3, 502.8)

CHSM78N(DG)/F-BH-xxx

(xxx=440-505, in steps of 5, 156 cells, Pmax@BNPI=637.7, 643.2,

648.7, 654.2, 659.7, 665.2, 670.7, 676.2, 681.7, 687.2, 692.7,

698.2, 703.7, 709.2)

CHSM72N(DGT)/F-BH-xxx

(xxx=525-600, in steps of 5, 144 cells, Pmax@BNPI=580.9, 586.4,

592.0, 597.5, 603.0, 608.6, 614.1, 619.6, 625.2, 630.7, 636.2,

641.8, 647.3, 652.8, 658.4, 663.9)

CHSM60N(DGT)/F-BH-xxx

(xxx=440-500, in steps of 5, 120 cells, Pmax@BNPI=486.9, 492.4,

497.9, 503.5, 509.0, 514.5, 520.1, 525.6, 531.1, 536.7, 542.2,

547.7, 553.3)

CHSM54N(DGT)/F-BH-xxx

(xxx=395-450, in steps of 5, 108 cells, Pmax@BNPI=437.1, 442.6,

448.1, 453.7, 459.2, 464.7, 470.3, 475.8, 481.3, 486.9, 492.4,

497.9)

CHSM48N(DGT)/F-BH-xxx

(xxx=350-400, in steps of 5, 96 cells, Pmax@BNPI=387.3, 392.8,

398.3, 403.9, 409.4, 414.9, 420.5, 426.0, 431.5, 437.1, 442.6)

CHSM54N(DGT)(BLH)/F-BH-xxx

(xxx=395-450, in steps of 5, 108 cells, Pmax@BNPI=437.1, 442.6,

448.1, 453.7, 459.2, 464.7, 470.3, 475.8, 481.3, 486.9, 492.4,

497.9)

CHSM66RN(DG)/F-BH-xxx

(xxx=585-630, in steps of 5, 132 cells, Pmax@BNPI=645.0, 650.5,

656.0, 661.5, 667.0, 672.5, 678.1, 683.6, 689.1, 694.6)

CHSM72RN(DG)/F-BH-xxx



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0008

**Berichtsnummer** *Report No.:*

CN24LDFA 033

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*

(xxx=580-620, in steps of 5, 144 cells, Pmax@BNPI=639.3, 644.8, 650.3, 655.8, 661.3, 666.8, 672.3, 677.9, 683.4)

CHSM54RN(DG)/F-BH-xxx

(xxx=435-465, in steps of 5, 108 cells, Pmax@BNPI=479.5, 485.0, 490.5, 496.0, 501.5, 507.0, 512.5)

CHSM54RN(DG)/F-BH-xxx

(xxx=495-515, in steps of 5, 108 cells, Pmax@BNPI=545.5, 551.0, 556.5, 562.0, 567.5)

CHSM54RN(DGT)(BLH)/F-BH-xxx

(xxx=495-510, in steps of 5, 108 cells, Pmax@BNPI=545.5, 551.0, 556.5, 562.0)

CHSM48RN(DG)/F-BH-xxx

(xxx=440-455, in steps of 5, 96 cells, Pmax@BNPI=484.9, 490.4, 495.9, 501.4)

CHSM48RN(DG)(BLH)/F-BH-xxx

(xxx=440-455, in steps of 5, 96 cells, Pmax@BNPI=484.9, 490.4, 495.9, 501.4)

CHSM54RNs(DG)/F-BH-xxx

(xxx=430-460, in steps of 5, 108 cells, Pmax@BNPI=473.1, 478.6, 484.1, 489.6, 495.1, 500.6, 506.1)

CHSM54RNs(DG)(BLH)/F-BH-xxx

(xxx=425-455, in steps of 5, 108 cells, Pmax@BNPI=463.3, 468.7, 474.2, 479.6, 485.1, 490.5, 496.0)

CHSM54RNs(DGT)/F-BH-xxx

(xxx=430-455, in steps of 5, 108 cells, Pmax@BNPI=473.9, 479.5, 485.0, 490.5, 496.0, 501.5)

CHSM54RNs(DGT)(BLH)/F-BH-xxx

(xxx=425-455, in steps of 5, 108 cells, Pmax@BNPI=473.9, 479.5, 485.0, 490.5, 496.0, 501.5)

CHSM72N(DG)/F-BH-IA-xxx

(xxx=535-610, in steps of 5, 144 cells, Pmax@BNPI=591.6, 597.1, 602.6, 608.1, 613.7, 619.2, 624.7, 630.3, 635.8, 641.3, 646.8, 652.4, 657.9, 663.4, 669.0)

CHSM78N(DG)/F-BH-IA-xxx

(xxx=580-645, in steps of 5, 156 cells, Pmax@BNPI=637.7, 643.2, 648.7, 654.2, 659.7, 665.2, 670.7, 676.2, 681.7, 687.2, 692.7, 698.2, 703.7, 709.2)

CHSM60RNs(DGT)(BLH)/F-BH-xxx

(xxx=480-515, in steps of 5, 120 cells, Pmax@BNPI=529.3, 534.9, 540.4, 545.9, 551.4, 556.9, 562.4, 567.9)

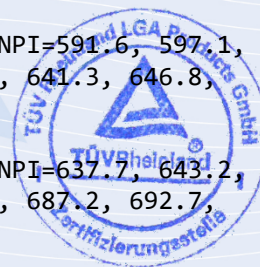
CHSM60RNs(DG)(BLH)/F-BH-xxx

(xxx=480-515, in steps of 5, 120 cells, Pmax@BNPI=529.0, 534.5, 540.0, 545.5, 551.0, 556.5, 562.0, 567.5)

CHSM60RNs(DG)/F-BH-xxx

(xxx=480-515, in steps of 5, 120 cells, Pmax@BNPI=529.0, 534.5, 540.0, 545.5, 551.0, 556.5, 562.0, 567.5)

xxx represents output power in Wp



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0008

**Berichtsnummer** *Report No.:*

CN24LDFA 033

**Produkt** *Product:*

PV Module

**Fertigungsstätten** *Factories:*

---

- 1 ASTRONERGY SOLAR PANEL URETIM VE  
TICARET ANONIM SIRKETI ADANA SUBESI  
ACIDEREOSB MAH. SEDEF CAD. NO: 1 SARICAM  
01900 ADANA  
Türkiye
- 2 Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,  
Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China
- 3 Chint New Energy Technology Co., Ltd.  
(M4) No. 2 Jisheng Road, Jianshan New Zone,  
Haining  
314415 Zhejiang  
P.R. China
- 4 Chint Solar Technology (Yueqing)  
Co.,Ltd.  
No.1 Xinneng Road, Yueqing Bay Lingang  
Economic Development Zone, Yueqing City,  
Wenzhou City  
325609 Zhejiang  
P.R. China
- 5 Anhui Chaolong Solar Technology  
Co., Ltd.  
Weiyi Road (Near Jingshier Road),  
Tianchang City,  
239300 Anhui  
P.R. China
- 6 Chint New Energy Technology  
(Jiuquan) Co.,Ltd.  
15 Jingwu Road, Jiuquan economic  
and Technological Development  
Zone, Suzhou District, Jiuquan City,  
Gansu  
P.R. China



# Zertifikat *Certificate*

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PV 50625618 0008

**Berichtsnummer** *Report No.:*

CN24LDFA 033

**Produkt** *Product:*

PV Module

**Fertigungsstätten** *Factories:*

---

- 7 Chint Solar Technology (Yancheng) Co.,Ltd.  
No. 8, Fengyang Road,  
Shanghai-Suzhou-Dafeng Industry Linkage Cluster,  
Dafeng District, Yancheng City,  
Jiangsu  
P.R. China
- 8 Zibo JinenU Solar Technology Co., LTD  
3005, Silk Road, Zhoucun District,  
Zibo,  
Shandong  
P.R. China
- 9 Solarspace Technology (Suqian) Co., Ltd.  
No. 1299,  
Shanghai Road, Economic and Technological Development Zone,  
Suqian City,  
223800 Jiangsu  
P.R. China
- 10 Kivanc Enerji Uretim Anonim Sirketi  
Sahin Mahallesi Sait Polat Bulvarı No:396  
Yenice/Tarsus/Mersin  
Türkiye
- 11 Chint New Energy Technology (Fuyang) Co.,Ltd.  
No.177, TongDeng Road,  
Lingqiao Town, Fuyang District,  
Hangzhou,  
Zhejiang  
P.R. China
- 12 Chint New Energy Technology (Yancheng) Co.,Ltd.  
No.1 Tonghui Road, Dafeng District,  
Yancheng City,  
Jiangsu  
P.R. China



# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*

PV 50625618 0008

**Berichtsnummer** *Report No.:*

CN24LDFA 033

**Produkt** *Product:*

PV Module

**Fertigungsstätten** *Factories:*

---

- 13 Songyuan New Energy Technology Co.,Ltd.  
No.2211,Jiangye Avenue,  
Yadahong Enterprise Service Center,  
Ningjiang District,Songyuan,  
Jilin  
P.R. China
- 14 Chint New Energy Technology (Yanchi) Co.,Ltd.  
Block 2, Yanchi County Industrial Park,  
Wuzhong City, (North of Gaoshawo)  
Ningxia  
P.R. China
- 15 Chint Solar Technology (Yiwu) Co.,Ltd.  
No. 1, Qingcheng West Road, Fotang Town,  
Yiwu City, Jinhua City,  
Zhejiang  
P.R. China
- 16 Chint Solar (HaiNing) Co., Ltd.  
No. 2 Jisheng Road, Jianshan New Zone,  
Haining  
314415 Zhejiang  
P.R. China

