# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

**Zertifizierungsstelle:** *Certification body:*
Angela Yao

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

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
Fax: +49 221 806-3935

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

# 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.
Anychange of the design, materials, components or processing
may require the repetition of some of the qualification tests in orderto
retain type approval.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*

Angela Yao

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

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
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)

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# 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

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*

Angela Yao

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

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
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.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2024-07-30

**Ausstellungsdatum:** *Date of issue:* 2024-07-30

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*

Angela Yao

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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
Fax: +49 221 806-3935

# 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.

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

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# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*
Angela Yao

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

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
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.

TÜVRheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*
Angela Yao

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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
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

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

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

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

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*

Elle Hu

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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
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

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

# 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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-03-11

**Ausstellungsdatum:** *Date of issue:* 2025-03-11

**Zertifizierungsstelle:** *Certification body:*

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Angela Yao

® TÜV, TUEV and TUV are registered trademarks. Utilisatio n and applic ation requires prior approval.

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
Fax: +49 221 806-3935

# 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

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# 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

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0009

**Berichtsnummer** *Report No.:*
CN24LDFA 034

**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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-04-03

**Ausstellungsdatum:** *Date of issue:* 2025-04-03

**Zertifizierungsstelle:** *Certification body:*

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0009

**Berichtsnummer** *Report No.:*
CN24LDFA 034

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0008

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,
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)
CHSM48RN(DGT)(BLH)/F-BH-xxx
(xxx=440-455, in steps of 5, 96 cells,
Pmax@BNPI=484.9, 490.4, 495.9, 501.4)
xxx represents output power in Wp

Remarks:
- Manufacturing site update: see page 3 to 4.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0010

**Berichtsnummer** *Report No.:*
CN24LDFA 043

**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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-05-09

**Ausstellungsdatum:** *Date of issue:* 2025-05-09

**Zertifizierungsstelle:** *Certification body:*

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0010

**Berichtsnummer** *Report No.:*
CN24LDFA 043

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0009

In addition:
Power range extension for following models:
With ½ cut of N-type mono c-Si cells:
CHSM78N(DG)/F-BH-xxx
(xxx=650-660, in steps of 5, 156 cells, Pmax@BNPI=714.7, 720.2, 725.7)
CHSM66RN(DG)/F-BH-xxx
(xxx=635-650, in steps of 5, 132 cells, Pmax@BNPI=702.3, 707.8, 713.4,718.9)
CHSM54RN(DG)/F-BH-xxx
(xxx=520-530, in steps of 5, 108 cells, Pmax@BNPI=573.0, 578.6, 584.1)
CHSM54RN(DGT)(BLH)/F-BH-xxx
(xxx=515-525, in steps of 5, 108 cells, Pmax@BNPI=567.5, 573.0, 578.6)
CHSM48RN(DG)/F-BH-xxx
(xxx=460-470, in steps of 5, 96 cells, Pmax@BNPI=506.9, 512.4, 517.9)
CHSM48RN(DG)(BLH)/F-BH-xxx
(xxx=460-465, in steps of 5, 96 cells, Pmax@BNPI=506.9, 512.4)
CHSM48RN(DGT)(BLH)/F-BH-xxx
(xxx=460-465, in steps of 5, 96 cells, Pmax@BNPI=506.9, 512.4)
CHSM78N(DG)/F-BH-IA-xxx
(xxx=650-660, in steps of 5, 156 cells, Pmax@BNPI=714.7, 720.2, 725.7)
xxx represents output power in Wp

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0011

**Berichtsnummer** *Report No.:*
CN24LDFA 044

**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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-05-20

**Ausstellungsdatum:** *Date of issue:* 2025-05-20

**Zertifizierungsstelle:** *Certification body:*
TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0011

**Berichtsnummer** *Report No.:*
CN24LDFA 044

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0010

In addition:
Remarks:
- Manufacturing site update: see page 3 to 5.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0012

**Berichtsnummer** *Report No.:*
CN24LDFA 049

**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:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-07-22

**Ausstellungsdatum:** *Date of issue:* 2025-07-22

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

**Zertifizierungsstelle:** *Certification body:*

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0012

**Berichtsnummer** *Report No.:*
CN24LDFA 049

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0011

In addition:
Power range extension for following models:
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=725-735, in steps of 5, 132 cells, Pmax@BNPI=797.5, 803.0, 808.5)
xxx represents output power in Wp

Remarks:
- Manufacturing site update: see page 3 to 5.

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0013

**Berichtsnummer** *Report No.:*
CN24LDFA 051

**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:*
11 Fertigungsstätten auf Folgeseiten
*Listing of 11 factories on following pages*

**Prüfzeichen** *Test Mark:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-08-25

**Ausstellungsdatum:** *Date of issue:* 2025-08-25

**Zertifizierungsstelle:** *Certification body:*

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0013

**Berichtsnummer** *Report No.:*
CN24LDFA 051

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0012

In addition:
Max. System Voltage: up to 1500 VDC (Voc at STC):
With ½ cut of N-type mono c-Si cells:
CHSM36RN(DG)(BLH)-HC-xxx
(xxx=280-315, in steps of 5, 72 cells)
CHSM42N(DG)(BLH)-HC-xxx
(xxx=280-315, in steps of 5, 84 cells)
xxx represents output power in Wp

Remarks:
- Manufacturing site update: see page 3 to 4.

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TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0014

**Berichtsnummer** *Report No.:*
CN24LDFA 052

**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:*
11 Fertigungsstätten auf Folgeseiten
*Listing of 11 factories on following pages*

**Prüfzeichen** *Test Mark:*

TÜVRheinland CERTIFIED
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:** *Product:* PV Module

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

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

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

**Gültig ab:** *Valid from:* 2025-09-19

**Ausstellungsdatum:** *Date of issue:* 2025-09-19

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

**Zertifizierungsstelle:**
*Certification body:*

Angela Yao

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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
Fax: +49 221 806-3935

# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0014

**Berichtsnummer** *Report No.:*
CN24LDFA 052

**Produkt** *Product:* PV Module

**Modell** *Type:*

**Bezeichnung** *Designation:*
Same as Page 0001-0013

In addition:
Power range extension for following models:
Max. System Voltage: up to 1500 VDC (Voc at STC):
With ½ cut of N-type mono c-Si cells:
CHSM48RN(DG)/F-BH-xxx
(xxx=475, 96 cells, Pmax@BNPI=523.5)
CHSM48RN(DG)(BLH)/F-BH-xxx
(xxx=470, 96 cells, Pmax@BNPI=517.9)
CHSM48RN(DGT)(BLH)/F-BH-xxx
(xxx=470, 96 cells, Pmax@BNPI=517.9)
xxx represents output power in Wp

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TÜVRheinland
Zertifizierungsstelle

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0014

**Berichtsnummer** *Report No.:*
CN24LDFA 052

**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.
(M4) No. 2 Jisheng Road, Jianshan New Zone,
Haining
314415 Zhejiang
P.R. China

3 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

4 Chint New Energy Technology
(Jiuquan) Co.,Ltd.
15 Jingwu Road, Jiuquan economic
and Technological Development
Zone, Suzhou District, Jiuquan City,
Gansu
P.R. China

5 Chint Solar Technology (Yancheng)
Co.,Ltd.
No. 8, Fengyang Road,
Shanghai-Suzhou-Dafeng Industry Linkage Cluster,
Dafeng District, Yancheng City,
Jiangsu
P.R. China

6 Chint New Energy Technology
(Fuyang) Co.,Ltd.
No.177, TongDeng Road,
Lingqiao Town, Fuyang District,
Hangzhou,
Zhejiang
P.R. China

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# Zertifikat *Certificate*

**Zertifikatsnummer** *Certificate No.:*
PV 50625618 0014

**Berichtsnummer** *Report No.:*
CN24LDFA 052

**Produkt** *Product:*
PV Module

**Fertigungsstätten** *Factories:*

7 Chint New Energy Technology (Yancheng) Co.,Ltd.
No.1 Tonghui Road, Dafeng District,
Yancheng City,
Jiangsu
P.R. China

8 Songyuan New Energy Technology Co.,Ltd.
No.2211,Jiangye Avenue,
Yadahong Enterprise Service Center,
Ningjiang District,Songyuan,
Jilin
P.R. China

9 Chint Solar Technology (Yiwu) Co.,Ltd.
No. 1, Qingcheng West Road, Fotang Town,
Yiwu City, Jinhua City,
Zhejiang
P.R. China

10 Chint Solar (HaiNing) Co., Ltd.
No. 2 Jisheng Road, Jianshan New Zone,
Haining
314415 Zhejiang
P.R. China

11 Linyi Licheng New Energy Co.,Ltd
Northwest of the intersection of
Yongwang South Road and Guanzhuang
Middle Road in Zhengwang Town, Hedong District,
Linyi City,
276000 Shandong
P.R. China

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