

# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 001

Ausstellungsdatum *Date of Issue*  
02.06.2022 (day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Type Designation:

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

With poly c-Si cells:

CHSM6612P/HV-xxx (xxx=310-395, in steps of 5, 72 cells)

CHSM6610P/HV-xxx (xxx=260-325, in steps of 5, 60 cells)

With mono c-Si cells:

CHSM6612M/HV-xxx (xxx=330-405, in steps of 5, 72 cells)

CHSM6610M/HV-xxx (xxx=275-335, in steps of 5, 60 cells)

With ½ cut of poly c-Si cells:

CHSM72P-HC-xxx (xxx=315-440, in steps of 5, 144 cells)

CHSM60P-HC-xxx (xxx=260-365, in steps of 5, 120 cells)

With ½ cut of mono c-Si cells:

CHSM72M-HC-xxx (xxx=330-475, in steps of 5, 144 cells)

CHSM72M-HC-xxx (xxx=520-555, in steps of 5, 144 cells)

CHSM66M-HC-xxx (xxx=395-415, in steps of 5, 132 cells)

CHSM66M-HC-xxx (xxx=480-510, in steps of 5, 132 cells)

CHSM60M-HC-xxx (xxx=275-395, in steps of 5, 120 cells)

CHSM66M-HC-xxx (xxx=645-675, in steps of 5, 132 cells)

CHSM60M-HC-xxx (xxx=590-610, in steps of 5, 120 cells)

Continued on Page 0002

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.

Zertifizierungsstelle

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

  
Dipl.-Ing. Matthias Grzam

# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 001

Ausstellungsdatum *Date of Issue*  
02.06.2022 (day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0001

CHSM54M-HC-xxx (xxx=390-415, in steps of 5, 108 cells)

CHSM60M-HC-xxx (xxx=435-465, in steps of 5, 120 cells)

CHSM55M-HC-xxx (xxx=535-565, in steps of 5, 110 cells)

CHSM50M-HC-xxx (xxx=490-510, in steps of 5, 100 cells)

CHSM72M (BLH) -HC-xxx

(xxx=330-455, in steps of 5, 144 cells)

CHSM72M (BLH) -HC-xxx

(xxx=520-545, in steps of 5, 144 cells)

CHSM60M (BLH) -HC-xxx

(xxx=275-380, in steps of 5, 120 cells)

CHSM60M (BLH) -HC-xxx

(xxx=435-450, in steps of 5, 120 cells)

CHSM54M (BLH) -HC-xxx

(xxx=390-405, in steps of 5, 108 cells)

CHSM78M-HC-xxx (xxx=585-605, in steps of 5, 156 cells)

With ½ cut of N-type mono c-Si cells:

CHSM66N-HC-xxx (xxx=655-690, in steps of 5, 132 cells)

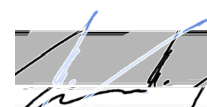
CHSM60N-HC-xxx (xxx=595-625, in steps of 5, 120 cells)

Continued on Page 0003

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.

Zertifizierungsstelle

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

  
Dipl.-Ing. Matthias Grzam

# Zertifikat

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Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0003

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 001

Ausstellungsdatum *Date of Issue*  
02.06.2022 (day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0002

CHSM78N-HC-xxx (xxx=585-615, in steps of 5, 156 cells)

CHSM72N-HC-xxx (xxx=550-565, in steps of 5, 144 cells)

CHSM54N-HC-xxx (xxx=405-425, in steps of 5, 108 cells)

Max. System Voltage: up to 1000 VDC (Voc at STC):

With mono c-Si cells:

CHSM6612M-xxx (xxx=330-405, in steps of 5, 72 cells)

CHSM6612M (BL)-xxx (xxx=330-405, in steps of 5, 72 cells)

CHSM6610M-xxx (xxx=275-335, in steps of 5, 60 cells)

CHSM6610M (BL)-xxx (xxx=275-335, in steps of 5, 60 cells)

With poly c-Si cells:

CHSM6612P-xxx (xxx=310-395, in steps of 5, 72 cells)

CHSM6612P (BL)-xxx (xxx=310-395, in steps of 5, 72 cells)

CHSM6610P-xxx (xxx=260-325, in steps of 5, 60 cells)

CHSM6610P (BL)-xxx (xxx=260-325, in steps of 5, 60 cells)

Continued on Page 0004

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
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This certificate is based on our Testing and Certification Regulation. The product  
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Zertifizierungsstelle

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

  
Dipl.-Ing. Matthias Grzam

**Zertifikat Nr.**  
50542225

**Blatt**  
0004

---

**Ihr Zeichen**

**Unser Zeichen**

**Ausstellungsdatum**

Q.H

01-SYM-CN22VYUP 001

02.06.2022 *(day/mo/yr)*

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# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0005

Ihr Zeichen *Client Reference*  
Q. H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 001

Ausstellungsdatum *Date of Issue*  
02. 06. 2022  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Ji sheng Road,  
Ji anshan New Zone  
Hai ni ng  
314415 Zhej i ang  
P. R. Chi na

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Modul e

Continuation of Page 0004

CHSM55M/LV-HC-xxx (xxx=535-565, in steps of 5, 110 cells)

CHSM50M/LV-HC-xxx (xxx=490-510, in steps of 5, 100 cells)

CHSM78M/LV-HC-xxx (xxx=585-605, in steps of 5, 156 cells)

With ½ cut of N-type mono c-Si cells:

CHSM66N/LV-HC-xxx (xxx=655-690, in steps of 5, 132 cells)

CHSM60N/LV-HC-xxx (xxx=595-625, in steps of 5, 120 cells)

CHSM78N/LV-HC-xxx (xxx=585-615, in steps of 5, 156 cells)

CHSM72N/LV-HC-xxx (xxx=550-565, in steps of 5, 144 cells)

CHSM54N/LV-HC-xxx (xxx=405-425, in steps of 5, 108 cells)

Remarks:

Class II acc. to IEC 61140

Fire Rating: Class C (according to UL 790)

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

1600 Pa / 1.5 (upward)

Continued on Page 0006

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.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

<http://www.tuv.com/safety> E-mail: markcheck@tuv.com

Fax: +49 221 806-3935

  
Dipl.-Ing. Matthias Grzam

**Zertifikat Nr.**  
50542225

**Blatt**  
0006

**Ihr Zeichen**

Q.H

**Unser Zeichen**

01-SYM-CN22VYUP 001

**Ausstellungsdatum**

02.06.2022 (day/mo/yr)



**Geprüft nach**

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

**Zertifiziertes Produkt (Geräteidentifikation)**  
*Certified Product (Product Identification)*

**Lizenzentgelte - Einheit**  
*License Fee - Unit*

PV Module

Continuation of Page 0005

**Conditions:**

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of

# Zertifikat

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PV 50542225

Blatt *Sheet*  
0007

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 002

Ausstellungsdatum *Date of Issue*  
24.06.2022 (day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Same as Page 0001-0006

In addition:

Type Designations:

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

With ½ cut of N-type mono c-Si cells:

CHSM60N-HC-xxx (xxx=450-470, in steps of 5, 120 cells)

CHSM72N(BLH)-HC-xxx (xxx=545-560, in steps of 5, 144 cells)

CHSM60N(BLH)-HC-xxx (xxx=455-465, in steps of 5, 120 cells)

CHSM54N(BLH)-HC-xxx (xxx=410-420, in steps of 5, 108 cells)

Max. System Voltage: up to 1000 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM60N/LV-HC-xxx (xxx=450-470, in steps of 5, 120 cells)

CHSM72N(BL)-HC-xxx (xxx=545-560, in steps of 5, 144 cells)

CHSM60N(BL)-HC-xxx (xxx=455-465, in steps of 5, 120 cells)

CHSM54N(BL)-HC-xxx (xxx=410-420, in steps of 5, 108 cells)

Remarks:

- Manufacturing plant update: See annex.

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.

Zertifizierungsstelle

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

Dipl.-Ing. (FH) F. He

# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0008

Ihr Zeichen *Client Reference*  
Q. H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 019

Ausstellungsdatum *Date of Issue*  
29. 12. 2022  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Ji sheng Road,  
Ji anshan New Zone  
Hai ni ng  
314415 Zhej i ang  
P. R. Chi na

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Modul e

Same as Page 0001-0007

In addition:

Type Designations:

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

With ½ cut of N-type mono c-Si cells:

CHSM72N-HC-xxx (xxx=540-545, in steps of 5, 144 cells)

CHSM72N-HC-xxx (xxx=570-580, in steps of 5, 144 cells)

CHSM72N(BLH)-HC-xxx(xxx=565-580, in steps of 5, 144 cells)

CHSM60N-HC-xxx (xxx=475-480, in steps of 5, 120 cells)

CHSM60N(BLH)-HC-xxx(xxx=470-480, in steps of 5, 120 cells)

CHSM54N-HC-xxx (xxx=430-435, in steps of 5, 108 cells)

CHSM54N(BLH)-HC-xxx(xxx=425-435, in steps of 5, 108 cells)

Max. System Voltage: up to 1000 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM72N(BL)-HC-xxx (xxx=565-580, in steps of 5, 144 cells)

CHSM60N(BL)-HC-xxx (xxx=470-480, in steps of 5, 120 cells)

CHSM54N(BL)-HC-xxx (xxx=425-435, in steps of 5, 108 cells)

Remarks:

- Manufacturing plant update: See annex.

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.

Zertifizierungsstelle

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

Dipl.-Ing. (FH) F. He





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# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0010

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 022

Ausstellungsdatum *Date of Issue*  
02.03.2023  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Jisheng Road,

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

Geprüft nach *Tested acc. 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



Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0009  
With 1/2 cut of N-type mono c-Si cells:  
CHSM78N/LV-HC-xxx (xxx=620-630, in steps of 5, 156 cells)

Remarks:  
- Manufacturing plant update: see annex

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  
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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

TÜV

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0011

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 037

Ausstellungsdatum *Date of Issue*  
09.06.2023  
(day/month/yr)

Genehmigungsinhaber *License Holder*  
Chint New Energy Technology

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision



Jianshan New Zone  
Haining  
314415 Zhejiang  
P.R. China

### Prüfzeichen *Test Mark*

IEC 61215  
IEC 61730  
Regular Production  
Surveillance

TÜVRheinland

www.tuv.com  
ID 1111253585

### Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

PV Module

Same as Page 0001-0010

In addition:

Type Designations:

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

CHSM78N-HC-xxx (xxx=635, 156 cells)

CHSM72N-HC-xxx (xxx=585, 144 cells)

CHSM60N-HC-xxx (xxx=485, 120 cells)

CHSM54N-HC-xxx (xxx=440, 108 cells)

CHSM54N(BLH)-HC-xxx (xxx=440, 108 cells)

Max. System Voltage: up to 1000 VDC (Voc at STC):

CHSM78N/LV-HC-xxx (xxx=635, 156 cells)

CHSM72N/LV-HC-xxx (xxx=585, 144 cells)

CHSM60N/LV-HC-xxx (xxx=485, 120 cells)





TÜVRheinland

# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0012

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 037

Ausstellungsdatum *Date of Issue*  
09.06.2023  
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

### Prüfzeichen *Test Mark*



IEC 61215  
IEC 61730  
Regular Production  
Surveillance

www.tuv.com  
ID 1111253585

### Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0011

### Remarks:

Safety Factors: 1.5  
Design Load (Refer to test report for details of  
corresponding material and installation method.):  
1600 Pa (downward) / 1600 Pa (upward)  
- Manufacturing plant update: see annex.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
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TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg  
http://www.tuv.com/safety E-mail: markcheck@tuv.com  
Fax: +49 221 806-3935

Zertifizier



Dipl.-Ing.

... r



# Zertifikat

# Certificate

Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0014

Ihr Zeichen *Client Reference*  
Q. H

Unser Zeichen *Our Reference*  
01-SYM-CN22VYUP 042

Ausstellungsdatum *Date of Issue*  
12. 07. 2023  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Chint New Energy Technology  
Co., Ltd.  
No. 1 Ji sheng Road,  
Ji anshan New Zone  
Hai ni ng  
314415 Zhej i ang  
P. R. Chi na

Fertigungsstätte *Manufacturing Plant*  
Refer to latest revision  
of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. 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

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Modul e

Continuation of Page 0013

Max. System Voltage: up to 1000 VDC (Voc at STC):

With ½ cut of N-type mono c-Si cells:

CHSM72N/LV-HC-xxx (xxx=570-580, in steps of 5, 144 cells)

CHSM60N/LV-HC-xxx (xxx=475-480, in steps of 5, 120 cells)

CHSM54N/LV-HC-xxx (xxx=430-435, in steps of 5, 108 cells)

CHSM72N/LV-HC-xxx (xxx=590-620, in steps of 5, 144 cells)

CHSM54N/LV-HC-xxx (xxx=445-465, in steps of 5, 108 cells)

CHSM60N/LV-HC-xxx (xxx=490-515, in steps of 5, 120 cells)

CHSM72RN/LV-HC-xxx (xxx=595-620, in steps of 5, 144 cells)

CHSM54RN/LV-HC-xxx (xxx=450-465, in steps of 5, 108 cells)

CHSM72RN(BL)-HC-xxx

(xxx=580-605, in steps of 5, 144 cells)

CHSM54RN(BL)-HC-xxx

(xxx=435-450, in steps of 5, 108 cells)

Remarks:

- Manufacturing plant update: See annex.

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

Zertifizierungsstelle

Dipl.-Ing. (FH) Tim Kirschner

**Anlage Fertigungsstättenliste  
/Attachment List of Factories**

PV 50542225 0001

Anlagenrevision / Annex revision

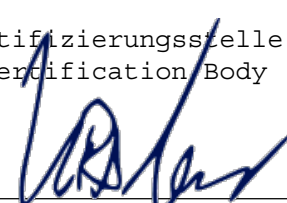
7

- |  |  |
|--|--|
| 1 Chint New Energy Technology Co., Ltd.<br>No. 1 Jisheng Road,<br>Jianshan New Zone<br>Haining<br>314415 Zhejiang<br>P.R. China  | 2 Chint New Energy Technology (Yancheng) Co.,Ltd.<br>No.1 Tonghui Road, Dafeng District,<br>Yancheng City,<br>Jiangsu<br>P.R. China                                |
| 3 Chint New Energy Technology (Jiuquan) Co.,Ltd.<br>15 Jingwu Road, Jiuquan economic and Technological Development Zone, Suzhou District, Jiuquan City,<br>Gansu<br>P.R. China     | 4 Chint Solar (HaiNing) Co., Ltd.<br>No. 2 Jisheng Road, Jianshan New Zone,<br>Haining<br>314415 Zhejiang<br>P.R. China  |
| 5 M.L.T. Solar Energy Product Co.,Ltd.<br>88/1 Moo. 9 Ko khanun Phanomsarakham<br>Chachoengsao 24120<br>Thailand   | 6 Songyuan New Energy Technology Co.,Ltd.<br>No.2211,Jiangye Avenue,<br>Yadahong Enterprise Service Center,<br>Ningjiang District,Songyuan,<br>Jilin<br>P.R. China |
| 7 Suzhou Akcome Optronics Science & Technology Co., Ltd.<br>No.110, West Jintang Rd, Zhangjiagang Economic Development Zone,<br>Zhangjiagang City,<br>215618 Jiangsu<br>P.R. China | 8 Chint Solar (Yancheng) Co..Ltd.<br>No.8 Fengyang Road, Dafeng District,<br>Yancheng City,<br>Jiangsu<br>P.R. China   |

Dieser Anhang ersetzt den Vorgänger vom/  
This annex replaces the previous annex dated

Datum / Date 02.06.2022

Zertifizierungsstelle  
/ Certification Body

  
Dipl.-Ing. (FH) Tim Kirschner