

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50550377

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN2266DN 001

Ausstellungsdatum *Date of Issue*  
21.07.2022 (day/month/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 61701:2020  
EN IEC 61701:2020

**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 1/2 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 1/2 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)

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)

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.

**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

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Zertifikat Nr. *Certificate No.*  
PV 50550377

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN2266DN 001

Ausstellungsdatum *Date of Issue*  
21.07.2022 (day/mo/yr)

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Co., Ltd.  
No. 1 Jisheng Road,  
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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 61701:2020  
EN IEC 61701:2020

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

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

## PV Module

Continuation of Page 0001

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 1/3 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)

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)

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)

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.

**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 50550377

Blatt *Sheet*  
0003

Ihr Zeichen *Client Reference*      Unser Zeichen *Our Reference*      Ausstellungsdatum      *Date of Issue*  
Q.H      01-SYM-CN2266DN 001      21.07.2022      (day/mo/yr)

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

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

**Prüfzeichen *Test Mark***



IEC 61701  
Salt Mist  
Resistance  
Regular Production  
Surveillance

www.tuv.com  
ID 1111256445

**Geprüft nach *Tested acc. to***  
IEC 61701:2020  
EN IEC 61701:2020

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

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

PV Module

Continuation of Page 0002

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 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)

With ½ cut of poly c-Si cells:

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

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

Continued on Page 0004

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

Zertifizierungsstelle



Dipl.-Ing. Matthias Grzam

# Zertifikat

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Zertifikat Nr. *Certificate No.* PV 50550377  
Blatt *Sheet* 0004

Ihr Zeichen *Client Reference* Q.H  
Unser Zeichen *Our Reference* 01-SYM-CN2266DN 001  
Ausstellungsdatum *Date of Issue* 21.07.2022  
(day/month/year)

**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 61701  
Salt Mist  
Resistance  
Regular Production  
Surveillance

www.tuv.com  
ID 1111256445

**Geprüft nach *Tested acc. to***  
IEC 61701:2020  
EN IEC 61701:2020

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

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

## PV Module

Continuation of Page 0003

With 1/3 cut of mono c-Si cells:

CHSM72M(BL)-HC-xxx (xxx=330-455, in steps of 5, 144 cells)  
CHSM60M(BL)-HC-xxx (xxx=275-380, in steps of 5, 120 cells)  
CHSM72M/LV-HC-xxx (xxx=330-475, in steps of 5, 144 cells)  
CHSM72M/LV-HC-xxx (xxx=520-555, in steps of 5, 144 cells)  
CHSM60M/LV-HC-xxx (xxx=275-395, in steps of 5, 120 cells)  
CHSM66M/LV-HC-xxx (xxx=395-415, in steps of 5, 132 cells)  
CHSM66M/LV-HC-xxx (xxx=480-510, in steps of 5, 132 cells)  
CHSM72M(BL)-HC-xxx (xxx=520-545, in steps of 5, 144 cells)  
CHSM60M(BL)-HC-xxx (xxx=435-450, in steps of 5, 120 cells)  
CHSM66M/LV-HC-xxx (xxx=645-675, in steps of 5, 132 cells)  
CHSM60M/LV-HC-xxx (xxx=590-610, in steps of 5, 120 cells)  
CHSM54M(BL)-HC-xxx (xxx=390-405, in steps of 5, 108 cells)  
CHSM54M/LV-HC-xxx (xxx=390-415, in steps of 5, 108 cells)  
CHSM60M/LV-HC-xxx (xxx=435-465, in steps of 5, 120 cells)  
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)

Continued on Page 0005

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

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Zertifikat Nr. *Certificate No.*  
PV 50550377

Blatt *Sheet*  
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>(day/mo/yr)</i>
Q.H	01-SYM-CN2266DN 001	21.07.2022	

**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 61701:2020  
EN IEC 61701:2020

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

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

## PV Module

Continuation of Page 0004

With 1/3 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)  
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:

- Valid in conjunction with TÜV Rheinland certificate PV 50542225 Page 0001-0007 and only for the material combination as listed in the above mentioned test report.
- Test performed with Test Method 6 of 6.

## 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. The certificate is valid until 01 June 2027.

*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)  
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# Zertifikat

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Zertifikat Nr. *Certificate No.*  
PV 50550377

Blatt *Sheet*  
0006

Ihr Zeichen *Client Reference*  
Q.H

Unser Zeichen *Our Reference*  
01-SYM-CN2266DN 002

Ausstellungsdatum *Date of Issue*  
21.03.2023 (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***



**Geprüft nach *Tested acc. to***  
IEC 61701:2020  
EN IEC 61701:2020

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

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

PV Module

Same as Page 0001-0005

In addition:

Type Designation:

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

With ½ cut of mono c-Si cells:

CHSM72M-HC-xxx (xxx=560-570, in steps of 5, 144 cells)

CHSM66M-HC-xxx (xxx=515-520, in steps of 5, 132 cells)

CHSM60M-HC-xxx (xxx=470-475, in steps of 5, 120 cells)

CHSM54M-HC-xxx (xxx=420-425, in steps of 5, 108 cells)

With ½ cut of N-type mono c-Si cells:

CHSM78N-HC-xxx (xxx=620-630, in steps of 5, 156 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)

Continued on Page 0007

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PV 50550377

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0007

Ihr Zeichen *Client Reference*  
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Unser Zeichen *Our Reference*  
01-SYM-CN2266DN 002

Ausstellungsdatum *Date of Issue*  
21.03.2023  
(day/mo/yr)

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

Fertigungsstätte *Manufacturing Plant*  
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Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

PV Module

Continuation of Page 0006

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

With ½ cut of N-type mono c-Si cells:

CHSM78N/LV-HC-xxx (xxx=620-630, in steps of 5, 156 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)

With ½ cut of mono c-Si cells:

CHSM72M/LV-HC-xxx (xxx=560-570, in steps of 5, 144 cells)

CHSM66M/LV-HC-xxx (xxx=515-520, in steps of 5, 132 cells)

CHSM60M/LV-HC-xxx (xxx=470-475, in steps of 5, 120 cells)

CHSM54M/LV-HC-xxx (xxx=420-425, in steps of 5, 108 cells)

Remarks:

- Manufacturing plant update: see annex.

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Fax: +49 221 806-3935



**Anlage Fertigungsstättenliste**  
**/Attachment List of Factories**



PV 50550377 0001

Anlagenrevision / Annex revision

1

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

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

3 Suzhou Akcome Optronics Science  
& Technology Co., Ltd.  
No.110, West Jintang Rd, Zhangjiagang  
Economic Development Zone,  
Zhangjiagang City,  
215618 Jiangsu  
P.R. China

4 Anhui UZON Photovoltaic Technology  
Co., Ltd.  
No.59, fenghuangshan East Road,  
Undertake Industrial Transfer  
Demonstration Park, Ma'Anshan,  
Anhui  
P.R. China

5 Chint New Energy Technology (Yancheng)  
Co.,Ltd.  
No.1 Tonghui Road, Dafeng District,  
Yancheng City,  
Jiangsu  
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

7 ECONESS ENERGY CO., LTD.  
No.58 Haida Road,Huashi Town  
Jiangyin  
214421 Jiangsu  
P.R. China

8 M.L.T. Solar Energy Product Co.,Ltd.  
88/1 Moo. 9 Ko khanun Phanomsarakham  
Chachoengsao 24120  
Thailand



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

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

Datum / Date 21.07.2022

Zertifizierungsstelle  
/ Certification Body

Dipl.-Ing. Matthias Grzam

