

# 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**  
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**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,  
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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 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

# Certificate



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.  
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**

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Fax: +49 221 806-3935

**Dipl.-Ing. Matthias Grzam**



# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50542225

Blatt *Sheet*  
0004

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 0003

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)

With ½ 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)

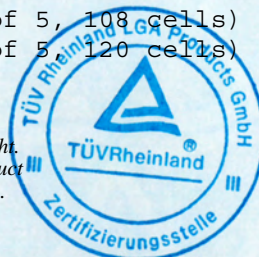
CHSM54M(BL)-HC-xxx (xxx=390-405, in steps of 5, 108 cells)

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)

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.



**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**  
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 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 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](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

**Dipl.-Ing. Matthias Grzam**



# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50542225

**Blatt Sheet**  
0006

**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 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 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.*



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Fax: +49 221 806-3935

**Dipl.-Ing. Matthias Grzam**



# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
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.  
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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. (FH) F. He**

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



PV 50542225 0001

Anlagenrevision / Annex revision

3

- |   |  |
|---|--|
| <p>1 Chint Solar (HaiNing) Co., Ltd.<br/>No. 2 Jisheng Road, Jianshan New Zone,<br/>Haining<br/>314415 Zhejiang<br/>P.R. China</p> <p>3 Suzhou Akcome Optronics Science<br/>&amp; Technology Co., Ltd.<br/>Jintang Road, Zhangjiagang<br/>Economic Development Area<br/>Zhangjiagang<br/>215618 Jiangsu<br/>P.R. China</p> <p>5 Jiangsu Focus Solar Energy Technology<br/>Co., LTD.<br/>No. 66 Lifa Avenue, Development Zone,<br/>Hai'an County, Nantong City,<br/>Jiangsu<br/>P.R. China</p> <p>7 Chint New Energy Technology<br/>(Jiuquan) Co., Ltd.<br/>15 Jingwu Road, Jiuquan economic<br/>and Technological Development<br/>Zone, Suzhou District, Jiuquan City,<br/>Gansu<br/>P.R. China</p> | <p>2 Chint New Energy Technology<br/>Co., Ltd.<br/>No. 1 Jisheng Road,<br/>Jianshan New Zone<br/>Haining<br/>314415 Zhejiang<br/>P.R. China</p> <p>4 Anhui UZON Photovoltaic Technology<br/>Co., Ltd.<br/>No.59, fenghuangshan East Road,<br/>Undertake Industrial Transfer<br/>Demonstration Park, Ma'Anshan,<br/>Anhui<br/>P.R. China</p> <p>6 Chint New Energy Technology (Yancheng)<br/>Co., Ltd.<br/>No.1 Tonghui Road, Dafeng District,<br/>Yancheng City,<br/>Jiangsu<br/>P.R. China</p> <p>8 ECONESS ENERGY CO., LTD.<br/>No.58 Haida Road, Huashi Town<br/>Jiangyin<br/>214421 Jiangsu<br/>P.R. China</p> |
|---|--|



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

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

Datum / Date 02.06.2022

Zertifizierungsstelle  
/ Certification Body



Dipl.-Ing. Matthias Grzam