

Zertifikat Nr.

Blatt

Ihr Zeichen

Unser Zeichen

Ausstellungsdatum

Zertifikat Nr.
50542224

Blatt
0003

Ihr Zeichen
Q. H

Unser Zeichen
01-SYM-CN22I FYR 001

Ausstellungsdatum
10. 05. 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 0002

CHSM72M(DG)-BH-xxx
(xxx=515-555, in steps of 5, 144 cells)
CHSM72M(DG)/F-BH-xxx
(xxx=515-555, in steps of 5, 144 cells)
CHSM66M(DGT)-BH-xxx
(xxx=465-495, in steps of 5, 132 cells)
CHSM66M(DGT)/F-BH-xxx
(xxx=465-495, in steps of 5, 132 cells)
CHSM66M(DG)-BH-xxx
(xxx=475-510, in steps of 5, 132 cells)
CHSM66M(DG)/F-BH-xxx
(xxx=475-510, in steps of 5, 132 cells)
CHSM54M(DG)-BH-xxx
(xxx=390-415, in steps of 5, 108 cells)
CHSM54M(DG)/F-BH-xxx
(xxx=390-415, in steps of 5, 108 cells)
CHSM66M(DG)/F-BH-xxx

Zertifikat Nr.

Blatt

Ihr Zeichen

Unser Zeichen

Ausstellungsdatum

Zertifikat

Certificate

Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0005

Ihr Zeichen *Client Reference*
Q. H

Unser Zeichen *Our Reference*
01-SYM-CN22I FYR 001

Ausstellungsdatum *Date of Issue*
10. 05. 2022
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Chint New Energy Technology
Co., Ltd.
No. 1 Ji sheng Road,
Jianshan 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
CHSM72N(DG)/F-BH-xxx
(xxx=550-565, in steps of 5, 144 cells)
CHSM54N(DG)/F-BH-xxx
(xxx=405-425, in steps of 5, 108 cells)

Remarks:

Class II acc. to IEC 61140
Fire Rating: Class A (according to UL 790)
Design Load/ Safety Factors: 3600 Pa / 1.5 (downward)
1600 Pa / 1.5 (upward)

Condi ti ons:

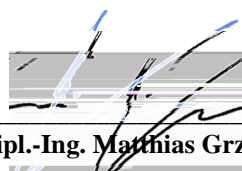
The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 09 May 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.*

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

Certificate

Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0006

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 002

Ausstellungsdatum *Date of Issue*
24.06.2022 *(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

Same as Page 0001-0005

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(DG)/F-BH-xxx

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

Remarks:

- Manufacturing plant update: See annex.

Zertifikat

Certificate



Zertifikat Nr. / Certificate No. Blatt / Sheet
PV 50542224 0007

Ihr Zeichen / Client Reference Unser Zeichen / Our Reference Ausstellungsdatum / Date of Issue

Chint New Energy Technology
Co., Ltd.

Refer to latest revision
of the annex list of factories

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
PV 50542224

Blatt Sheet
0008

Ihr Zeichen Client Reference
Q.H

Unser Zeichen Our Reference
01-SYM-CN22IFYR 012

Ausstellungsdatum Date of Issue
22.11.2022 (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

IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1111253584

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 0001-0007

In addition:

Type Designations:

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

With ½ cut mono c-Si cells:

CHSM60M(DG)/F-HC-xxx

(xxx=450-460, in steps of 5, 120 cells)

CHSM54M(DG)/F-HC-xxx

(xxx=405-415, in steps of 5, 108 cells)

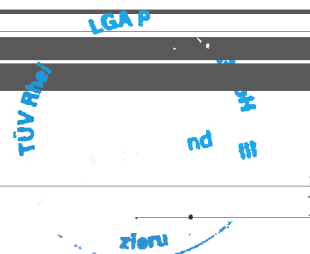
With ½ cut of N-type mono c-Si cells:

CHSM72N(DG)/F-HC-xxx

(xxx=550-580, in steps of 5, 144 cells)

CHSM60N(DG)/F-HC-xxx

(xxx=460-480, in steps of 5, 120 cells)



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0009

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 014

Ausstellungsdatum *Date of Issue*
08.12.2022
(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*

TÜV land
CERTIFIED

IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1111253584

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 0001-0008

In addition:

Type Designations:

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

With ½ cut mono c-Si cells:

CHSM78M(DG)/F-BH-xxx (xxx=580, 156 cells)

With ½ cut of N-type mono c-Si cells:

CHSM72N(DGT)/F-BH-xxx

(xxx=525-565, in steps of 5, 144 cells)

CHSM60N(DGT)/F-BH-xxx

(xxx=440-470, in steps of 5, 120 cells)

CHSM54N(DGT)/F-BH-xxx

(xxx=395-420, in steps of 5, 108 cells)

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

Zertifiziert



L-In

klern

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0011

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 017

Ausstellungsdatum *Date of Issue*
09.02.2023
(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 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com
ID 1111253584

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 0001-0010

In addition:

Type Designations:

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

With ½ cut mono c-Si cells:

CHSM72M(DG)-BH-xxx (xxx=560-565, in steps of 5, 144 cells)

CHSM72M(DG)/F-BH-xxx

(xxx=560-565, in steps of 5, 144 cells)

CHSM66M(DG)-BH-xxx (xxx=515, 132 cells)

CHSM66M(DG)/F-BH-xxx (xxx=515, 132 cells)

CHSM60M(DG)/F-BH-xxx (xxx=470, 120cells)

CHSM54M(DG)-BH-xxx (xxx=420, 108 cells)

CHSM54M(DG)/F-BH-xxx (xxx=420, 108 cells)

Continued on Page 0012

Dem Zertifizierten unter Prüf- und Zertifizierungsordnung stehende
Das Produkt entspricht den in den Anforderungen in der Herstellung überwacht.
This certificate is based on our Testing and Certification Requirements and data
If this does not comply with the 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



s Grzam

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0012

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 017

Ausstellungsdatum *Date of Issue*
09.02.2023
(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

CERTIFIED

www.tuv.com
ID 1111253584

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***

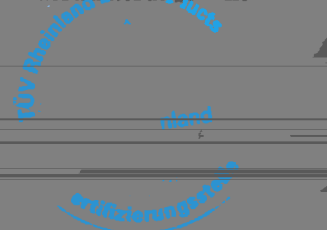
PV Module

Continuation of Page 0011
With ½ cut of N-type mono c-Si cells:
CHSM78N (DG) /F-BH-xxx
(xxx=620-630, in steps of 5, 156 cells)
CHSM72N (DG) /F-BH-xxx
(xxx=580-585, in steps of 5, 144 cells)
CHSM60N (DG) /F-BH-xxx
(xxx=480-485, in steps of 5, 120 cells)
CHSM54N (DG) /F-BH-xxx (xxx=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

Zertifizierungsstelle



Zertifikat

Certificate

TÜVRheinland®

Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0013

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 028

Ausstellungsdatum *Date of Issue*
17.05.2023
(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

CERTIFIED

www.tuv.com
ID 1111263584

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

Seite 38 Page 08 of 1012

In addition:

Type Designation:

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

With ½ cut of N-type mono c-Si cells:

CHSM54N (DGT) (BLH) / F-BH-xxx
(xxx=395-420, in steps of 5, 108 cells)

CHSM48N (DGT) / F-BH-xxx
(xxx=345-380, in steps of 5, 96 cells)

CHSM72PN (DGT) / F-PL-xxx

(xxx=590-605, in steps of 5, 144 cells)

CHSM54RN (DG) / F-BH-xxx
(xxx=445-450, in steps of 5, 108 cells)

With ½ cut mono c-Si cells:

CHSM48M (DGT) / F-BH-xxx
(xxx=340-370, in steps of 5, 96 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.



Zertifikat

Certificate

Zertifikat Nr. Certificate No.
PV 50542224

Blatt Sheet
0014

Ihr Zeichen Client Reference
Q.H

Unser Zeichen Our Reference
01-SYM-CN22IFYR 034

Ausstellungsdatum Date of Issue
12.07.2023 (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 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 0001-0013

In addition:

Type 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=590-610, in steps of 5, 144 cells)

CHSM60N (DG) /F-BH-xxx
(xxx=490-505, in steps of 5, 132 cells)

CHSM54N (DG) /F-BH-xxx
(xxx=440-455, in steps of 5, 108 cells)

CHSM72N (DG) /F-HC-xxx
(xxx=585-610, in steps of 5, 144 cells)

CHSM60N (DG) /F-HC-xxx
(xxx=485-505, in steps of 5, 132 cells)

CHSM54N (DG) /F-HC-xxx
(xxx=440-455, in steps of 5, 108 cells)

Continued on Page 0015

*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. (FH) Tim Kirschner

Zertifikat

Certificate

Zertifikat Nr. *Certificate No.*
PV 50542224

Blatt *Sheet*
0015

Ihr Zeichen *Client Reference*
Q.H

Unser Zeichen *Our Reference*
01-SYM-CN22IFYR 034

Ausstellungsdatum *Date of Issue*
12.07.2023 (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 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 0014

CHSM72N(DGT)/F-BH-xxx
(xxx=570-600, in steps of 5, 144 cells)

CHSM60N(DGT)/F-BH-xxx
(xxx=475-500, in steps of 5, 132 cells)

CHSM54N(DGT)/F-BH-xxx
(xxx=425-450, 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
Fax: +49 221 806-3935

Zertifizierungsstelle

Dipl.-Ing. (FH) Tim Kirschner

**Anlage Fertigungsstättenliste
/Attachment List of Factories**

PV 50542224 0001

Anlagenrevision / Annex revision

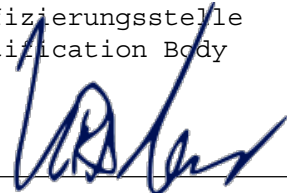
6

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

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

Datum / Date 10.05.2022

Zertifizierungsstelle
/ Certification Body


Dipl.-Ing. (FH) Tim Kirschner