

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 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 0001-0006

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

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

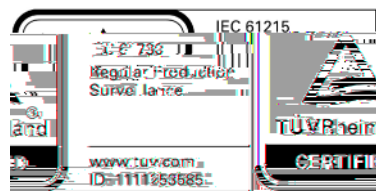
Unser Zeichen *Our Reference*
01-SYM-CN22VYUP 019

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

Fax: +49 221 806-3935

Dipl.-Ing. (FH) F. He





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
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg



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*

TÜVRheinland

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

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.
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

Zertifizier



Dipl.-Ing.

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Zertifikat Nr.

Blatt

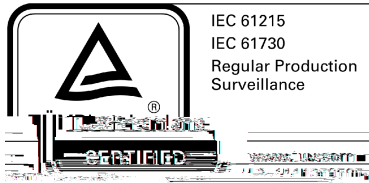
Ihr Zeichen

Unser Zeichen

Ausstellungsdatum

(day/mo/yr)

Geprüft nach



IEC 61215
IEC 61730
Regular Production
Surveillance

Zertifiziertes Produkt (Geräteidentifikation)

Zertifikat

Certificate

Zertifikat Nr. *Certificate No.*
PV 50542225

Blatt *Sheet*
0014

Ihr Zeichen *Client Reference*
Q. H

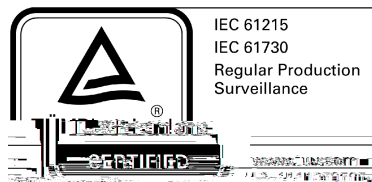
Unser Zeichen *Our Reference*
01-SYM-CN22VYUP 042

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*



IEC 61215
IEC 61730
Regular Production
Surveillance

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
Fax: +49 221 806-3935

Zertifizierungsstelle

Dipl.-Ing. (FH) Tim Kirschner

Anlage Fertigungsstättenliste
/Attachment List of Factories

PV 50542225 0001

Anlagenrevision / Annex revision

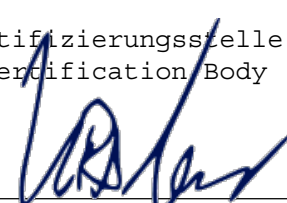
7

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|--|--|
| 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 02.06.2022

Zertifizierungsstelle
/ Certification Body


Dipl.-Ing. (FH) Tim Kirschner