

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
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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314415 Zhejiang
P.R. China

Fertigungsstätte Manufacturing Plant
Refer to latest revision
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Prüfzeichen Test Mark



Geprüft nach Tested acc. to

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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

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Zertifikat Nr. Certificate No.
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Blatt Sheet
0003

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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
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IEC 61730-1:2016
IEC 61730-2:2016
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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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Zertifikat Nr. Certificate No.
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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)

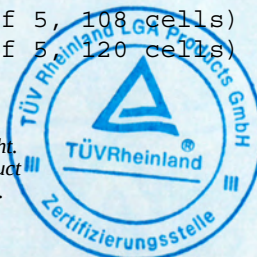
CHSM54M(BL)-HC-xxx (xxx=390-405, in steps of 5, 108 cells)

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
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Zertifikat Nr. Certificate No.
PV 50542225

Blatt Sheet
0005

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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



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
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EN IEC 61730-1:2018
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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.
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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
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Prüfzeichen Test Mark



IEC 61215
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Regular Production
Surveillance

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ID 1111253585

Geprüft nach Tested acc. to

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IEC 61215-2:2016
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IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
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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.



Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
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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
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Prüfzeichen Test Mark



IEC 61215
IEC 61730
Regular Production
Surveillance

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ID 1111253585

Geprüft nach Tested acc. to

IEC 61215-1:2016
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IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
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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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Dipl.-Ing. (FH) F. He

Zertifikat

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Zertifikat Nr. Certificate No.
PV 50542225

Blatt Sheet
0008

Ihr Zeichen Client Reference
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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 Jisheng Road,
Jianshan New Zone
Haining
314415 Zhejiang
P.R. China

Fertigungsstätte Manufacturing Plant
Refer to latest revision
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Prüfzeichen Test Mark



IEC 61215
IEC 61730
Regular Production
Surveillance

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ID 1111253585

Geprüft nach Tested acc. to

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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 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)

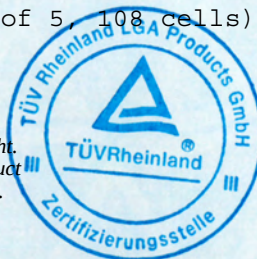
CHSM60N(BL)-HC-xxx (xxx=470-480, in steps of 5, 120 cells)

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

Remarks:

- Manufacturing plant update: See annex.

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Dipl.-Ing. (FH) F. He

Zertifikat

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Zertifikat Nr. Certificate No.
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Blatt Sheet
0009

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
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No. 1 Jisheng Road,
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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 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)

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

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)

Continued on Page 0010

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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,
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 0009
With $\frac{1}{2}$ 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
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com
Fax: +49 221 806-3935



Anlage Fertigungsstättenliste /Attachment List of Factories



PV 50542225 0001

Anlagenrevision / Annex revision

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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 02.06.2022

Zertifizierungsstelle
/ Certification Body



Dipl.-Ing. Matthias Grzam