

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50559924

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
L.J.F

Unser Zeichen *Our Reference*
01-Liud-CN22H1Z9 001

Ausstellungsdatum *Date of Issue*
28.09.2022 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Changzhou Huayao Photovoltaic
Technology Co., Ltd.
No.266 Yaotang Road, Yaotang Street
Jintan, Changzhou
213213 Jiangsu
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 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2016
IEC 61730-2:2016
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
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:

With 1/2 cut of mono c-Si cells: (Under BNPI)

HYxxx-M144BDD-BI (xxx = 580-600, in steps of 5, 144 cells)

HYxxx-M120BDD-BI (xxx = 480-495, in steps of 5, 120 cells)

HYxxx-M108BDD-BI (xxx = 430-445, in steps of 5, 108 cells)

HYxxx-M132CDD-BI (xxx = 710-735, in steps of 5, 132 cells)

HYxxx-M120CDD-BI (xxx = 635-665, in steps of 5, 120 cells)

With 1/2 cut of mono c-Si cells: (Under STC)

HYxxx-M144BDD (xxx = 530-550, in steps of 5, 144 cells)

HYxxx-M120BDD (xxx = 440-455, in steps of 5, 120 cells)

HYxxx-M108BDD (xxx = 395-410, in steps of 5, 108 cells)

HYxxx-M132CDD (xxx = 645-670, in steps of 5, 132 cells)

HYxxx-M120CDD (xxx = 580-610, in steps of 5, 120 cells)

Continued on Page 2

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



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50559924

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
L.J.F

Unser Zeichen *Our Reference*
01-Liud-CN22H1Z9 001

Ausstellungsdatum *Date of Issue*
28.09.2022
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Changzhou Huayao Photovoltaic
Technology Co.,Ltd.
No.266 Yaotang Road, Yaotang Street
Jintan, Changzhou
213213 Jiangsu
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 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2016
IEC 61730-2:2016
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
EN IEC 61730-1:2018
EN IEC 61730-2:2018

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

In Continuation of Page 1

Remarks:

Class II acc. to IEC 61140

Fire Rating: Class C according to UL790.

Design Load / Safety Factors: 3600 Pa / 1.5 (downward)
1600 Pa / 1.5 (upward)

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 27 September 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
Fax: +49 221 806-3935



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50559924

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
L.J.F

Unser Zeichen *Our Reference*
01-Liud-CN22H1Z9 002

Ausstellungsdatum *Date of Issue*
04.11.2022 (day/mo/yr)

Genehmigungsinhaber *License Holder*
Changzhou Huayao Photovoltaic
Technology Co., Ltd.
No.266 Yaotang Road, Yaotang Street
Jintan, Changzhou
213213 Jiangsu
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 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2016
IEC 61730-2:2016
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
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 1 - 2

In addition:

Type Designations:

Max. System Voltage: 1500V

With 1/2 cut of mono c-Si cells: (Under BNPI)

HYxxx-N144BDD-BI (xxx=600-615, in steps of 5, 144 cells)

HYxxx-N120BDD-BI (xxx=500-515, in steps of 5, 120 cells)

HYxxx-N108BDD-BI (xxx=450-465, in steps of 5, 108 cells)

HYxxx-N132CDD-BI (xxx=725-740, in steps of 5, 132 cells)

HYxxx-N120CDD-BI (xxx=660-675, in steps of 5, 120 cells)

With 1/2 cut of mono c-Si cells: (Under STC)

HYxxx-N144BDD (xxx=550-560, in steps of 5, 144 cells)

HYxxx-N120BDD (xxx=460-470, in steps of 5, 120 cells)

HYxxx-N108BDD (xxx=415-425, in steps of 5, 108 cells)

HYxxx-N132CDD (xxx=660-675, in steps of 5, 132 cells)

HYxxx-N120CDD (xxx=600-615, in steps of 5, 120 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



Dipl.-Ing. Matthias Grzam

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50559924

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
L.J.F

Unser Zeichen *Our Reference*
01-YML-CN22H1Z9 003

Ausstellungsdatum *Date of Issue*
23.02.2023
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Changzhou Huayao Photovoltaic
Technology Co.,Ltd.
No.266 Yaotang Road, Yaotang Street
Jintan, Changzhou
213213 Jiangsu
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 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2016
IEC 61730-2:2016
EN IEC 61215-1:2021
EN IEC 61215-1-1:2021
EN IEC 61215-2:2021
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 1 - 3

In addition:

Type Designations:

Max. System Voltage (Up to 1500VDC)

With 1/2 cut of mono c-Si cells: (Under BNPI)

HYxxx-N144BDD-BI (xxx = 620-640, in steps of 5, 144 cells)

HYxxx-N120BDD-BI (xxx = 520-535, in steps of 5, 120 cells)

HYxxx-N108BDD-BI (xxx = 470-485, in steps of 5, 108 cells)

With 1/2 cut of mono c-Si cells: (Under STC)

HYxxx-N144BDD (xxx = 565-580, in steps of 5, 144 cells)

HYxxx-N120BDD (xxx = 475-485, in steps of 5, 120 cells)

HYxxx-N108BDD (xxx = 430-440, 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.



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

**Anlage Fertigungsstättenliste
/Attachment List of Factories**



PV 50559924 0001

- 1 Changzhou Huayao Photovoltaic Technology
Co., Ltd.
165 Huachuang Road, Yaotang Street, Jintan
Changzhou,
Jiangsu
P.R. China

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

Datum / Date 28.09.2022

Zertifizierungsstelle
/ Certification Body



Dipl.-Ing. Matthias Grzam