

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50542221

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
M.G

Unser Zeichen *Our Reference*
01-Ruanand-CN22N95B 001

Ausstellungsdatum
24.06.2022

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

HORAY SOLAR CO., LTD
No.30-5,
Yanxin East Road, Huishan District
Wuxi,
214177 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 (Voc at STC):

With 1/2 cut of mono c-Si cell with cell size (Under STC)

HSxxx-MHG-D (xxx=640-660, in steps of 5, 132 cells)

HSxxx-MHG-D (xxx=585-600, in steps of 5, 120 cells)

HSxxx-MHG-D (xxx=535-550, in steps of 5, 110 cells)

HSxxx-MHG-D (xxx=485-500, in steps of 5, 100 cells)

HSxxx-MHO-D (xxx=535-560, in steps of 5, 144 cells)

HSxxx-MHO-D (xxx=495-515, in steps of 5, 132 cells)

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

HSxxx-MHO-D (xxx=405-420, in steps of 5, 108 cells)

HSxxx-MHL-D (xxx=445-465, in steps of 5, 144 cells)

HSxxx-MHL-D (xxx=410-425, in steps of 5, 132 cells)

HSxxx-MHL-D (xxx=370-385, in steps of 5, 120 cells)

With 1/2 cut of mono c-Si cell with cell size (Under BNPI)

HSxxx-MHG-D (xxx=701-723, in steps of 5, 132 cells)

HSxxx-MHG-D (xxx=641-657, in steps of 5, 120 cells)

HSxxx-MHG-D (xxx=586-602, in steps of 5, 110 cells)

HSxxx-MHG-D (xxx=531-548, in steps of 5, 100 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

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0002

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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)
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**Lizenzentgelte - Einheit
*License Fee - Unit***

PV Module

Continuation of Page 0001

HSxxx-MHO-D (xxx=586-613, in steps of 5, 144 cells)
HSxxx-MHO-D (xxx=542-564, in steps of 5, 132 cells)
HSxxx-MHO-D (xxx=493-515, in steps of 5, 120 cells)
HSxxx-MHO-D (xxx=443-460, in steps of 5, 108 cells)
HSxxx-MHL-D (xxx=487-509, in steps of 5, 144 cells)
HSxxx-MHL-D (xxx=449-465, in steps of 5, 132 cells)
HSxxx-MHL-D (xxx=405-422, in steps of 5, 120 cells)

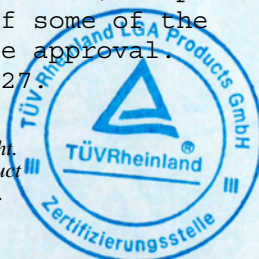
Remarks:

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)

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.
This certificate is valid until 23 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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<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 50542221 0001

1 HORAY SOLAR CO., LTD
No.30-5,
Yanxin East Road, Huishan District
Wuxi,
214177 Jiangsu
P.R. China



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

Datum / Date 24.06.2022



Zertifizierungsstelle
/ Certification Body

Dipl.-Ing. Matthias Grzam