

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

PV 50653396 0001

Berichtsnummer Report No.:

CN24204G 001

Genehmigungsinhaber License Holder:

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

Fertigungsstätte Manufacturing Site:

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

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
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

Geräteidentifikation
Product Identification
Produkt: PV Module

Product:
Modell: Modelle sind auf nächste(r) Seite(n) gelistet
Type: Type designation(s) are listed on the next page(s)

Technische Daten: Class II acc. to IEC 61140
Technical Data: For other ratings, refer to the test report.

Gültig bis: 2029-11-10
Date of expiry:
Gültig ab: 2024-11-11
Valid from:
Ausstellungsdatum: 2024-11-11
Date of issue:
Zertifizierungsstelle:
Certification body:

Angela Yao



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

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Produkt *Product:* PV Module

Modell *Type:*
Bezeichnung *Designation:*

Max. system voltage: up to 1500 VDC (Voc at STC):

With 1/2 cut of mono N-type c-Si cell (Under STC):

HSxxxTC-MHG-D (xxx=670-700, in steps of 5, 132 cells)

HSxxxTC-MHG-D (xxx=610-635, in steps of 5, 120 cells)

HSxxxTC-MHG-D (xxx=560-580, in steps of 5, 110 cells)

HSxxxTC-MHG-D (xxx=550-570, in steps of 5, 108 cells)

HSxxxTC-MHG-D (xxx=510-530, in steps of 5, 100 cells)

HSxxxTC-MHA-D (xxx=575-610, in steps of 5, 144 cells)

HSxxxTC-MHA-D (xxx=530-560, in steps of 5, 132 cells)

HSxxxTC-MHA-D (xxx=480-510, in steps of 5, 120 cells)

HSxxxTC-MHA-D (xxx=425-455, in steps of 5, 108 cells)

HSxxxTC-MHB-D (xxx=590-620, in steps of 5, 144 cells)

HSxxxTC-MHB-D (xxx=540-570, in steps of 5, 132 cells)

HSxxxTC-MHB-D (xxx=490-520, in steps of 5, 120 cells)

HSxxxTC-MHB-D (xxx=445-475, in steps of 5, 108 cells)

HSxxxTC-MHC-D (xxx=585-630, in steps of 5, 132 cells)

HSxxxTC-MHC-D (xxx=535-570, in steps of 5, 120 cells)

HSxxxTC-MHC-D (xxx=480-515, in steps of 5, 108 cells)

HSxxxTC-MHC-D (xxx=425-455, in steps of 5, 96 cells)

HSxxxTC-MHO-D (xxx=560-590, in steps of 5, 144 cells)

HSxxxTC-MHO-D (xxx=515-540, in steps of 5, 132 cells)

HSxxxTC-MHO-D (xxx=470-490, in steps of 5, 120 cells)

HSxxxTC-MHO-D (xxx=420-440, in steps of 5, 108 cells)

HSxxxTC-MHD-D (xxx=610-650, in steps of 5, 144 cells)

HSxxxTC-MHD-D (xxx=560-590, in steps of 5, 132 cells)

HSxxxTC-MHD-D (xxx=510-540, in steps of 5, 120 cells)

HSxxxTC-MHD-D (xxx=460-485, in steps of 5, 108 cells)

With 1/2 cut of mono Perc c-Si cell (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 N-type c-Si cell (Under BNPI):

HSxxxTC-MHG-D (xxx=737,743,748,754,759,765,770, 132 cells)

HSxxxTC-MHG-D (xxx=671,677,682,688,693,699, 120 cells)

HSxxxTC-MHG-D (xxx=616,622,627,633,638, 110 cells)

HSxxxTC-MHG-D (xxx=605,610.5,616,621.5,627, 108 cells)

HSxxxTC-MHG-D (xxx=561,567,572,578,583, 100 cells)

HSxxxTC-MHA-D (xxx=621,626,631,637,642,648,653,658, 144 cells)

HSxxxTC-MHA-D (xxx=572,577,583,588,594,599,604, 132 cells)

HSxxxTC-MHA-D (xxx=518,523,529,534,540,545,550, 120 cells)



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Modell *Type:*
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HSxxxTC-MHA-D (xxx=459,464,469,475,480,486,491, 108 cells)
 HSxxxTC-MHB-D (xxx=649,655,660,666,671,677,682, 144 cells)
 HSxxxTC-MHB-D (xxx=594,599.5,605,610.5,616,621.5,627, 132 cells)
 HSxxxTC-MHB-D (xxx=539,544.5,550,555.5,561,566.5,572, 120 cells)
 HSxxxTC-MHB-D (xxx=489.5,495,500.5,506,511.5,517,522.5, 108 cells)
 HSxxxTC-MHC-D (xxx=644,649,655,660,666,671,677,682,688,693, 132 cells)
 HSxxxTC-MHC-D (xxx=589,594,600,605,611,616,622,627, 120 cells)
 HSxxxTC-MHC-D (xxx=528,534,539,545,550,556,561,567, 108 cells)
 HSxxxTC-MHC-D (xxx=468,473,479,484,490,495,501, 96 cells)
 HSxxxTC-MHO-D (xxx=611,616,622,627,633,638,644, 144 cells)
 HSxxxTC-MHO-D (xxx=562,568,573,578,584,589, 132 cells)
 HSxxxTC-MHO-D (xxx=513,518,524,529,535, 120 cells)
 HSxxxTC-MHO-D (xxx=458,464,469,475,481, 108 cells)
 HSxxxTC-MHD-D (xxx=671,677,682,688,693,699,704,710,715, 144 cells)
 HSxxxTC-MHD-D (xxx=616,622,627,633,638,644,649, 132 cells)
 HSxxxTC-MHD-D (xxx=561,567,572,578,583,589,594, 120 cells)
 HSxxxTC-MHD-D (xxx=506,512,517,523,528,534, 108 cells)
 With 1/2 cut of mono Perc c-Si cell (Under BNPI):
 HSxxx-MHG-D (xxx=701,706,712,717,723, 132 cells)
 HSxxx-MHG-D (xxx=641,646,652,657, 120 cells)
 HSxxx-MHG-D (xxx=586,591,597,602, 110 cells)
 HSxxx-MHG-D (xxx=531,537,542,548, 100 cells)
 HSxxx-MHO-D (xxx=586,591,597,602,608,613, 144 cells)
 HSxxx-MHO-D (xxx=542,548,553,558,564, 132 cells)
 HSxxx-MHO-D (xxx=493,498,504,509,515, 120 cells)
 HSxxx-MHO-D (xxx=443,449,454,460, 108 cells)
 HSxxx-MHL-D (xxx=487,493,498,504,509, 144 cells)
 HSxxx-MHL-D (xxx=449,454,460,465, 132 cells)
 HSxxx-MHL-D (xxx=405,411,416,422, 120 cells)
 xxx represents output power at STC in Wp

Remarks:

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.

