

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50690728 0001

Berichtsnummer *Report No.:*

CN25H6W1 001

Genehmigungsinhaber *License Holder:*

TCL Zhonghuan Renewable Energy
Technology Co.,Ltd
No.12 Haitai East Road, Huayuan
Industrial Zone (Outside the Ring
Road), Tianjin New Technology Industrial Park
300384 Tianjin
P.R. China

Fertigungsstätte *Manufacturing Site:*

3 Fertigungsstätten auf Folgeseiten
Listing of 3 factories on following pages

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:

2030-08-19

Date of expiry:
Gültig ab:

2025-08-20

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:

2025-08-20

Date of issue:

Weichun Li



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 1500VDC)

With 1/2 cut of mono c-Si cells:

HSM-ND66-GKxxx

(xxx=685-725, in steps of 5, 132 cells, Pmax@BNPI=757-801)

HSM-ND66-GRxxx

(xxx=595-635, in steps of 5, 132 cells, Pmax@BNPI=657-701)

HSM-ND78-GFxxx

(xxx=615-645, in steps of 5, 156 cells, Pmax@BNPI=678-711)

HSM-ND72-GFxxx

(xxx=570-605, in steps of 5, 144 cells, Pmax@BNPI=629-667)

HSM-ND54-GRxxx

(xxx=485-515, in steps of 5, 108 cells, Pmax@BNPI=534-567)

HSM-ND54-DRxxx

(xxx=480-515, in steps of 5, 108 cells, Pmax@BNPI=526-564)

HSM-ND48-GRxxx

(xxx=430-460, in steps of 5, 96 cells, Pmax@BNPI=473-506)

HSM-ND48-DRxxx

(xxx=430-460, in steps of 5, 96 cells, Pmax@BNPI=471-504)

HSM-BD78-GFxxx

(xxx=650-690, in steps of 5, 156 cells, Pmax@BNPI=710-754)

HSM-BD72-GCxxx

(xxx=620-665, in steps of 5, 144 cells, Pmax@BNPI=677-727)

HSM-BD72-GFxxx

(xxx=600-635, in steps of 5, 144 cells, Pmax@BNPI=656-694)

HSM-BD66-GRxxx

(xxx=620-665, in steps of 5, 132 cells, Pmax@BNPI=677-727)

HSM-BD60-GAxxx

(xxx=490-520, in steps of 5, 120 cells, Pmax@BNPI=515-547)

HSM-BD60-DAxxx

(xxx=490-520, in steps of 5, 120 cells, Pmax@BNPI=515-547)

HSM-BD60-GCxxx

(xxx=520-550, in steps of 5, 120 cells, Pmax@BNPI=568-601)

HSM-BD54-GAxxx

(xxx=440-480, in steps of 5, 108 cells, Pmax@BNPI=463-505)

HSM-BD54-DAxxx

(xxx=440-480, in steps of 5, 108 cells, Pmax@BNPI=463-505)

HSM-BD54-GCxxx

(xxx=465-495, in steps of 5, 108 cells, Pmax@BNPI=508-541)

HSM-BD54-GRxxx

(xxx=510-540, in steps of 5, 108 cells, Pmax@BNPI=557-590)

HSM-BD48-GRxxx

(xxx=455-480, in steps of 5, 96 cells, Pmax@BNPI=497-524)

With 1/3 cut of mono c-Si cells:

HSM-GKA-NMxxx

(xxx=670-740, in steps of 5, 204 cells, Pmax@BNPI=738-816)

HSM-GFC-NMxxx

(xxx=520-560, in steps of 5, 210 cells, Pmax@BNPI=572-616)

HSM-GFB-NMxxx



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Modell *Type:*
Bezeichnung *Designation:*

(xxx=435-475, in steps of 5, 174 cells, Pmax@BNPI=478-521)
 HSM-DFB-NMxxx-1500
 (xxx=430-460, in steps of 5, 174 cells, Pmax@BNPI=472-505)
 HSM-DFB-NMxxx-1500
 (xxx=428, 174 cells, Pmax@BNPI=470)
 HSM-DFG-NMxxx
 (xxx=485-520, in steps of 5, 192 cells, Pmax@BNPI=531-570)
 HSM-GHF-NMxxx
 (xxx=580-630, in steps of 5, 198 cells, Pmax@BNPI=640-695)
 HSM-GRA-NMxxx
 (xxx=585-645, in steps of 5, 204 cells, Pmax@BNPI=645-711)
 HSM-GFD-NMxxx
 (xxx=560-615, in steps of 5, 222 cells, Pmax@BNPI=617-677)
 HSM-GFE-NMxxx
 (xxx=605-660, in steps of 5, 240 cells, Pmax@BNPI=668-728)
 HSM-GLF-NMxxx
 (xxx=680-710, in steps of 5, 198 cells, Pmax@BNPI=751-784)
 HSM-GRG-NMxxx
 (xxx=560-605, in steps of 5, 192 cells, Pmax@BNPI=618-667)
 HSM-GFG-NMxxx
 (xxx=485-520 in steps of 5, 192 cells, Pmax@BNPI=531-570)
 With 1/6 cut of mono c-Si cells:
 HSM-TBxxx-GKF
 (xxx=470-510, in steps of 5, 315 cells, Pmax@BNPI=512-555)
 Max. System Voltage (Up to 1000VDC)
 With 1/3 cut of mono c-Si cells:
 HSM-DFB-NMxxx (xxx=430-460, in steps of 5, 174 cells, Pmax@BNPI=472-505)
 HSM-DFB-NMxxx (xxx=428, 174 cells, Pmax@BNPI=470)
 xxx represents output power in Wp

Remarks:

Fire Rating: Class A or C (according to UL 790)
 Design Load / Safety Factors: 3600 Pa / 1.5 (downward)
 1600 Pa / 1.5 (upward)
 Refer to Constructional Data Form (CDF) no. CN25H6W1 for detail.

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.



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Produkt *Product:*

PV Module

Fertigungsstätten *Factories:*

- 1 Huansheng New Energy (Jiangsu)
Co.,LTD
West of Bianzhuang Village Road,
Economic and Technological
Development Zone, Yixing,
Jiangsu
P.R. China
- 2 Huansheng new energy (Tianjin) Co., Ltd
No. 750, Shenzhou Avenue,
South District of future science and
Technology City, Binhai high tech Zone,
Tianjin
P.R. China
- 3 Huansheng New Energy (Inner Mongolia)
Co., Ltd.
No.15 Baolier Street, Saihan District, Hohhot,
Inner Mongolia
P.R. China

