

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50519755

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0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
N.R.	01-ZYF-CN21WI98 001	27.09.2021 (day/mo/yr)

Genehmigungsinhaber *License Holder*
CHINA MACHINERY ENGINEERING WUXI
CO., LTD.
ROOM 1101,1102,1103,1008
JIEFANG EAST ROAD,
WUXI
214000 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*

EN 61215-1:2016
EN 61215-2:2017
EN 61215-1-1:2016
EN IEC 61730-1:2018
EN IEC 61730-2:2018
IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Type Designation:

Max. system voltage (Up to 1500VDC)

With 6" poly c-Si cell:

ZSxxxML11 (xxx=310-355, in steps of 5, 72 cells),

ZSxxxMK1 (xxx=260-295, in steps of 5, 60 cells)

ZSxxxMH1 (xxx=235-265, in steps of 5, 54 cells),

ZSxxxMG21 (xxx=155-180, in steps of 5, 36 cells)

With ½ cut of 6" poly c-Si cell:

ZSxxxML12 (xxx=335-365, in steps of 5, 144 cells),

ZSxxxMK2 (xxx=280-305, in steps of 5, 120 cells)

ZSxxxMH2 (xxx=255-270, in steps of 5, 108 cells),

ZSxxxMG22 (xxx=165-180, in steps of 5, 72 cells)

Max. system voltage (Up to 1000VDC)

With 6" poly c-Si cell:

ZSxxxML13 (xxx=310-355, in steps of 5, 72 cells),

ZSxxxMK3 (xxx=260-295, in steps of 5, 60 cells)

ZSxxxMH3 (xxx=235-265, in steps of 5, 54 cells),

ZSxxxMG23 (xxx=155-180, in steps of 5, 36 cells)

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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

Zertifizierungsstelle



Dipl.-Ing. (FH) Tim Kirschner

Zertifikat

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Zertifikat Nr. *Certificate No.*
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0002

Ihr Zeichen *Client Reference*
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Unser Zeichen *Our Reference*
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Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0001
With ½ cut of 6" poly c-Si cell:
ZSxxxML14 (xxx=335-365, in steps of 5, 144 cells),
ZSxxxMK4 (xxx=280-305, in steps of 5, 120 cells),
ZSxxxMH4 (xxx=255-270, in steps of 5, 108 cells),
ZSxxxMG24 (xxx=165-180, in steps of 5, 72 cells)
Max. system voltage (Up to 1500VDC)
With cut of 6" poly c-Si cell:
ZSxxxML1 (xxx=240-290, in steps of 5, 72 cells),
ZSxxxML2 (xxx=225-245, in steps of 5, 72 cells),
ZSxxxML3 (xxx=195-230, in steps of 5, 72 cells),
ZSxxxML4 (xxx=165-190, in steps of 5, 72 cells),
ZSxxxML5 (xxx=150-170, in steps of 5, 72 cells),
ZSxxxML6 (xxx=135-155, in steps of 5, 72 cells),
ZSxxxML7 (xxx=120-135, in steps of 5, 72 cells),
ZSxxxML8 (xxx=100-115, in steps of 5, 72 cells),
ZSxxxML9 (xxx=240, 72 cells),
ZSxxxML10 (xxx=190, 72 cells)

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<http://www.tuv.com/safety> E-mail: markcheck@tuv.com
Fax: +49 221 806-3935

Zertifizierungsstelle

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Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0002

ZSxxxMG1 (xxx=140-160, in steps of 5, 36 cells),
ZSxxxMG2 (xxx=120-145, in steps of 5, 36 cells)
ZSxxxMG3 (xxx=105-120, in steps of 5, 36 cells),
ZSxxxMG4 (xxx=100-115, in steps of 5, 36 cells)
ZSxxxMG5 (xxx=80-95, in steps of 5, 36 cells),
ZSxxxMG6 (xxx=75-85, in steps of 5, 36 cells)
ZSxxxMG7 (xxx=70-75, in steps of 5, 36 cells),
ZSxxxMG8 (xxx=60-65, in steps of 5, 36 cells)
ZSxxxMG9 (xxx=50-55, in steps of 5, 36 cells),
ZSxxxMG10 (xxx=45-50, in steps of 5, 36 cells)
ZSxxxMG11 (xxx=40, 36 cells), ZSxxxMG12 (xxx=30, 36 cells)
ZSxxxMG13 (xxx=25, 36 cells), ZSxxxMG14 (xxx=20, 36 cells)
ZSxxxMG15 (xxx=15, 36 cells), ZSxxxMG16 (xxx=10, 36 cells)
ZSxxxMG17 (xxx=5, 36 cells), ZSxxxMG18 (xxx=60, 36 cells)
ZSxxxMG19 (xxx=70, 36 cells),
ZSxxxMG20 (xxx=100, 36 cells)

Continued on Page 0004

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Zertifiziertes Produkt (Geräteidentifikation) *Certified Product (Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

PV Module

Continuation of Page 0003

ZSxxxME1 (xxx=5, 18 cells), ZSxxxME2 (xxx=5, 36 cells)
ZSxxxME3 (xxx=3, 20 cells), ZSxxxMC1 (xxx=3, 12 cells)
ZSxxxMF1 (xxx=100, 32 cells), ZSxxxMF2 (xxx=80, 32 cells)
ZSxxxMF3 (xxx=60, 32 cells), ZSxxxMF4 (xxx=50, 32 cells)
ZSxxxMF5 (xxx=45, 32 cells), ZSxxxMF6 (xxx=30, 32 cells)
ZSxxxMF7 (xxx=20, 32 cells), ZSxxxMF8 (xxx=15, 32 cells)
ZSxxxMF9 (xxx=10, 32 cells), ZSxxxMF10 (xxx=12, 32 cells)
ZSxxxMF11 (xxx=120, 32 cells), ZSxxxMP1 (xxx=15, 24 cells)
ZSxxxMD1 (xxx=15, 16 cells), ZSxxxMA1 (xxx=6, 10 cells)
ZSxxxMA2 (xxx=4.5, 10 cells)

Continued on Page 0005

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PV Module

Continuation of Page 0004

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)

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 26 September 2026.

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) Tim Kirschner

**Anlage Fertigungsstättenliste
/Attachment List of Factories**



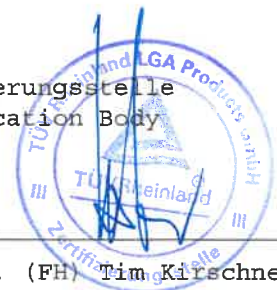
PV 50519755 0001

1 WUXI TAICHANG ELECTRONIC CO., LTD.
B11 Huayou East Rd., Huayou Industrial Area,
National High-tech Industrial Area Wuxi,
214142 Jiangsu
P.R. China

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

Datum / Date 27.09.2021

Zertifizierungsstelle
/ Certification Body



Dipl.-Ing. (FH) Tim Kirschner

CHINA MACHINERY ENGINEERING WUXI
CO., LTD.
Mr. Nick Ruan

Date : 27.09.2021
Our ref. : ZYF 01
Your ref.: N.R.

ROOM 1101,1102,1103,1008
JIEFANG EAST ROAD,
WUXI
214000 Jiangsu
P.R. China

Ref : PV Photovoltaic Modules

Type of Equipment : PV Module
Model Designation : See Certificate
Certificate No. : PV 50519755 0005
Report No. : CN21WI98 001

Dear Mr. Nick Ruan,

Thank you very much for your interest in our services.

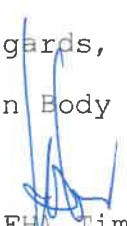
Please find enclosed your certification documents.

We appreciate your support and would like to offer our assistance in the approval of your future products through our extensive range of technical services.

Please feel free to contact us whatever your requirements may be.

With kind regards,

Certification Body



Dipl.-Ing. (FH) Tim Kirschner

cc: CHINA MACHINERY ENGINEERING WUXI

Enclosure

证书的详细资料请登陆www.tuvdotcom.com查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询