

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50519084

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
M.Y.X

Unser Zeichen *Our Reference*
01-Ruanand-50241841 001

Ausstellungsdatum *Date of Issue*
15.10.2021
(day/mo/yr)

Genehmigungsinhaber *License Holder*
JINZHOU YANGGUANG ENERGY CO., LTD.
Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
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 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
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 1000 VDC (Voc at STC):

With ½ cut of 6" poly c-Si cell:

JMPV-6P/72-xxx (xxx=310-325, in steps of 5, 72 cells)

JMPV-6P/60-xxx (xxx=260-270, in steps of 5, 60 cells)

JMPV-6P/48-xxx (xxx=205-215, in steps of 5, 48 cells)

JMPV-6P/42-xxx (xxx=180-190, in steps of 5, 42 cells)

Max. System Voltage: up to 1500 VDC (Voc at STC):

With ½ cut of 6" mono c-Si cell:

JMPV-H6M1/72-xxx (xxx=360-380, in steps of 5, 144 cells)

JMPV-H6M1/60-xxx (xxx=300-315, in steps of 5, 120 cells)

JMPV-H6M1/48-xxx (xxx=240-250, in steps of 5, 96 cells)

JMPV-H6M1/42-xxx (xxx=210-220, in steps of 5, 84 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.

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

Certificate



Zertifikat Nr. *Certificate No.* PV 50519084
Blatt *Sheet* 0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>
M.Y.X	01-Ruanand-50241841 001	15.10.2021 (day/mo/yr)

Genehmigungsinhaber <i>License Holder</i>	Fertigungsstätte <i>Manufacturing Plant</i>
JINZHOU YANGGUANG ENERGY CO., LTD. Xihai Industry Park, Economic and Technical Development Zone Jinzhou City, 121000 Liaoning P.R. China	Refer to latest revision of the annex list of factories

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

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

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0001

Remarks:

Class II acc. to IEC 61140
Fire Rating: Class C (according to UL 790)
Design Load/ Safety Factors: 3600 Pa / 1.5 (downward)
2400 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 12 October 2026.

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

Certificate



Zertifikat Nr. *Certificate No.*
PV 50519084

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
M.Y.X

Unser Zeichen *Our Reference*
01-Ruanand-50241841 002 15.10.2021

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

Genehmigungsinhaber *License Holder*

JINZHOU YANGGUANG ENERGY CO., LTD.
Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
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 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
EN IEC 61730-1:2018
EN IEC 61730-2:2018

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

PV Module

Same as Page 1-2

Lizenzentgelte - Einheit *License Fee - Unit*

In addition:

Type Designation:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With mono c-Si half-cut cell for cell size 210mmx105mm:

JMPV-T1/66-xxx(R) (xxx=635-675, in steps of 5, 132 cells)

JMPV-T1/60-xxx(R) (xxx=575-610, in steps of 5, 120 cells)

JMPV-T1/54-xxx(R) (xxx=520-550, in steps of 5, 108 cells)

JMPV-T1/48-xxx(R) (xxx=465-490, in steps of 5, 96 cells)

JMPV-T1/42-xxx(R) (xxx=405-425, in steps of 5, 84 cells)

With mono c-Si half-cut cell for cell size 182mmx91mm:

JMPV-X1/72-xxx(R) (xxx=520-560, in steps of 5, 144 cells)

JMPV-X1/66-xxx(R) (xxx=475-515, in steps of 5, 132 cells)

JMPV-X1/60-xxx(R) (xxx=435-465, in steps of 5, 120 cells)

JMPV-X1/54-xxx(R) (xxx=390-420, in steps of 5, 108 cells)

JMPV-X1/48-xxx(R) (xxx=345-375, in steps of 5, 96 cells)

JMPV-X1/42-xxx(R) (xxx=305-325, in steps of 5, 84 cells)

JMPV-X1/36-xxx(R) (xxx=260-280, in steps of 5, 72 cells)

Continued on Page 0004

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

Certificate



Zertifikat Nr. *Certificate No.*
PV 50519084

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
M.Y.X

Unser Zeichen *Our Reference*
01-Ruanand-50241841 002

Ausstellungsdatum *Date of Issue*
15.10.2021
(day/mo/yr)

Genehmigungsinhaber *License Holder*
JINZHOU YANGGUANG ENERGY CO., LTD.
Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
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 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
EN IEC 61730-1:2018
EN IEC 61730-2:2018

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 3

With mono c-Si half-cut cell for cell size 166mmx83mm:

JMPV-HM6HBM1/72-xxx (R)
(xxx=420-450, in steps of 5, 144 cells)
JMPV-HM6HBM1/60-xxx (R)
(xxx=355-375, in steps of 5, 120 cells)
JMPV-HM6HBM1/54-xxx (R)
(xxx=310-330, in steps of 5, 108 cells)
JMPV-HM6HBM1/48-xxx (R)
(xxx=280-295, in steps of 5, 96 cells)
JMPV-HM6HBM1/42-xxx (R)
(xxx=245-260, in steps of 5, 84 cells)
JMPV-HM6HBM1/36-xxx (R)
(xxx=210-220, in steps of 5, 72 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

Zertifizierungsstelle



Dipl.-Ing. (FH) Tim Kirschner

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50519084

Blatt *Sheet*
0005

Ihr Zeichen *Client Reference*
M.Y.X

Unser Zeichen *Our Reference*
01-Ruanand-50241841 012 27.10.2022

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

Genehmigungsinhaber *License Holder*

JINZHOU YANGGUANG ENERGY CO., LTD.
Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
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 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
EN 61215-1:2016
EN 61215-1-1:2016
EN 61215-2:2017
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 0001-0004

In addition:

Type Designation:

Max. System Voltage: up to 1500 VDC (Voc at STC):

With mono c-Si half-cut cell:

JMPV-HM6HBM1/72-xxx(R) (xxx=455, 460, 144 cells)

JMPV-HM6HBM1/60-xxx(R) (xxx=380, 385, 120 cells)

JMPV-X1/78-xxx(R) (xxx=560-605, in steps of 5, 156 cells)

JMPV-X1/54-xxx(R) (xxx=380, 385, in steps of 5, 108 cells)

JMPV-X6/72-xxx(R) (xxx=545-580, in steps of 5, 144 cells)

JMPV-X6/66-xxx(R) (xxx=500-530, in steps of 5, 132 cells)

JMPV-X6/60-xxx(R) (xxx=455-485, in steps of 5, 120 cells)

JMPV-X6/54-xxx(R) (xxx=410-435, in steps of 5, 108 cells)

JMPV-X6/48-xxx(R) (xxx=360-385, in steps of 5, 96 cells)

JMPV-X6/42-xxx(R) (xxx=315-340, in steps of 5, 84 cells)

JMPV-X6/36-xxx(R) (xxx=270-290, in steps of 5, 72 cells)

Remarks:

- Additional new manufacturing plant: See annex.

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



**Anlage Fertigungsstättenliste
/Attachment List of Factories**



PV 50519084 0001

Anlagenrevision / Annex revision

2

1 Jiangsu Yueyang Photovoltaic Technology Co., Ltd.
777Tangqiao Road,
High-tech Economic Zone,
Jianhu County, Yancheng City,
224700 Jiangsu
P.R. China

2 JINZHOU YANGGUANG ENERGY CO., LTD.
Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
P.R. China

3 Jinzhou Chuanghui New Energy Co., Ltd
No.7, 3 Section, Longxiwan
Avenue, Binhai New District,
Jinzhou City
121000 Liaoning
P.R. China

4 Tongwei Solar (Hefei) Co., Ltd.
No. 888 Changning Road,
High-tech District
Hefei
230088 Anhui
P.R. China

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

Datum / Date 15.10.2021

Zertifizierungsstelle
/ Certification Body

Dipl. Ing. Matthias Grzam



JINZHOU YANGGUANG ENERGY CO., LTD.
Meng Yixue

Date : 27.10.2022
Our ref. : Ruanand 01
Your ref.: M.Y.X

Xihai Industry Park, Economic
and Technical Development Zone
Jinzhou City,
121000 Liaoning
P.R. China

Ref : PV Photovoltaic Modules

Type of Equipment : PV Module
Model Designation : See Certificate
Certificate No. : PV 50519084 0005
Report No. : 50241841 012

Dear Meng Yixue,

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. Matthias Grzam

cc: JINZHOU YANGGUANG ENERGY CO., LTD.

Enclosure

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