

# Zertifikat

# Certificate



**Zertifikat Nr. Certificate No.**  
PV 50594916

**Blatt Sheet**  
0001

**Ihr Zeichen Client Reference**  
L.L.

**Unser Zeichen Our Reference**  
01-JS-50357024 022

**Ausstellungsdatum Date of Issue**  
20.07.2023 (day/mo/yr)

**Genehmigungsinhaber License Holder**  
First Choice Solar B.V.  
Musicalstraat 7B  
1323 VR Almere  
Netherlands

**Fertigungsstätte Manufacturing Plant**  
040-0002362242

## Prüfzeichen Test Mark



IEC 61215  
IEC 61730  
Regular Production  
Surveillance

www.tuv.com  
ID 1111272168

## 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 Designations:

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

With ½ cut of 166 IBC c-Si cell:

FCSxxxFB-IBC144N (xxx=430-475, in steps of 5, 144 cells)  
FCSxxxWBS-IBC144N (xxx=430-475, in steps of 5, 144 cells)  
FCSxxxFB-IBC132N (xxx=395-435, in steps of 5, 132 cells)  
FCSxxxWBS-IBC132N (xxx=395-435, in steps of 5, 132 cells)  
FCSxxxFB-IBC120N (xxx=360-400, in steps of 5, 120 cells)  
FCSxxxWBS-IBC120N (xxx=360-400, in steps of 5, 120 cells)

Remarks:

Class II acc. to IEC 61140

Design Load/ Safety Factors: 1600 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 23 August 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.



**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. (FH) F. He**

First Choice Solar B.V.  
Ms. Liu Lihua

Date : 20.07.2023  
Our ref. : JS 01  
Your ref.: L.L.

Musicalstraat 7B  
1323 VR Almere  
Netherlands

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV Module  
Model Designation : See Certificate  
Certificate No. : PV 50594916 0001  
Report No. : 50357024 022

Dear Ms. Liu Lihua,

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) F. He

cc: QingHai Huanghe Hydropower

Enclosure

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

QingHai Huanghe Hydropower  
Development CO.,Ltd. Xining  
Li Huan

Date : 20.07.2023  
Our ref. : JS 01  
Your ref.: L.L.

Solar Power Branch  
No.4, Jingui Road, Dongchuan  
Industrial Park, Xining City,  
810007 Qinghai  
P.R. China

**Ref : PV Photovoltaic Modules**

Type of Equipment : PV Module  
Model Designation : See Certificate  
Certificate No. : PV 50594916 0001  
Report No. : 50357024 022

Dear Li Huan,

Please find enclosed certification documents as specified above.

Please forward these documents to the certificate holder.

If you contact our office, please quote our reference above.

We thank you for your cooperation.

the certificate holder is: First Choice Solar B.V.

With kind regards,

Certification Body



Dipl.-Ing. (FH) F. He

Enclosure

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