

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50588999

Blatt *Sheet*
0001

Ihr Zeichen *Client Reference*
L.L

Unser Zeichen *Our Reference*
01-Ruanand-CN22HXUV 003

Ausstellungsdatum
11.09.2024

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Apex Solar Energy Technology GmbH
Reisholzer Werftstr. 76
40589 Düsseldorf
Germany

Fertigungsstätte *Manufacturing Plant*
040-0002400583

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2016
IEC 61730-2:2016
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

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Type Designation:

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

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

APEX-132HBD-xxxM12 (xxx=635-660, in steps of 5, 132 cells)
APEX-120HBD-xxxM12 (xxx=580-600, in steps of 5, 120 cells)
APEX-110HBD-xxxM12 (xxx=535-550, in steps of 5, 110 cells)
APEX-100HBD-xxxM12 (xxx=485-505, in steps of 5, 100 cells)
APEX-144HBD-xxxM10 (xxx=520-545, in steps of 5, 144 cells)
APEX-132HBD-xxxM10 (xxx=480-505, in steps of 5, 132 cells)
APEX-120HBD-xxxM10 (xxx=440-460, in steps of 5, 120 cells)
APEX-108HBD-xxxM10 (xxx=395-415, in steps of 5, 108 cells)
APEX-156HBD-NxxxM10 (xxx=610-640, in steps of 5, 156 cells)
APEX-144HBD-NxxxM10 (xxx=560-590, in steps of 5, 144 cells)
APEX-120HBD-NxxxM10 (xxx=470-490, in steps of 5, 120 cells)
APEX-108HBD-NxxxM10 (xxx=420-445, in steps of 5, 108 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.



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. (TU) G. Reimann

Zertifikat

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Zertifikat Nr. *Certificate No.*
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0002

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

Lizenzentgelte - Einheit *License Fee - Unit*

PV Module

Continued on Page 0002

With 1/2 cut of mono c-Si cell (Under BNPI):
APEX-132HBD-xxxM12 (xxx=699-726, in steps of 5, 132 cells)
APEX-120HBD-xxxM12 (xxx=638-660, in steps of 5, 120 cells)
APEX-110HBD-xxxM12 (xxx=583-605, in steps of 5, 110 cells)
APEX-100HBD-xxxM12 (xxx=533-555, in steps of 5, 100 cells)
APEX-144HBD-xxxM10 (xxx=572-600, in steps of 5, 144 cells)
APEX-132HBD-xxxM10 (xxx=514-540, in steps of 5, 132 cells)
APEX-120HBD-xxxM10 (xxx=484-506, in steps of 5, 120 cells)
APEX-108HBD-xxxM10 (xxx=435-456, in steps of 5, 108 cells)
APEX-144HBD-NxxxM10 (xxx=588-609, in steps of 5, 144 cells)
APEX-132HBD-NxxxM10 (xxx=541-556, in steps of 5, 132 cells)
APEX-120HBD-NxxxM10 (xxx=512-528, in steps of 5, 120 cells)
APEX-108HBD-NxxxM10 (xxx=462-479, in steps of 5, 108 cells)

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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. (TU) G. Reimann

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0003

Ihr Zeichen *Client Reference*
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Prüfzeichen *Test Mark*



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Zertifiziertes Produkt (Geräteidentifikation)
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PV Module

Continued on Page 0003

Remarks:

Class II acc. to IEC 61140
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.

The certificate is valid until 17 August 2027.



Zertifizierungsstelle

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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. (TU) G. Reimann

Apex Solar Energy Technology GmbH
Louis Lv

Date : 11.09.2024
Our ref. : Ruanand 01
Your ref.: L.L

Reisholzer Werftstr. 76
40589 Düsseldorf
Germany

Ref : PV Photovoltaic Modules

Type of Equipment : PV Module
Model Designation : See Certificate
Certificate No. : PV 50588999 0001
Report No. : CN22HXUV 003

Dear Louis Lv,

Thank you very much for your interest in our services.

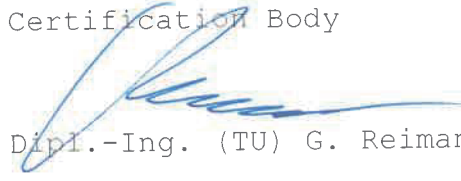
Please find enclosed your certification documents.

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. (TU) G. Reimann

cc: Anhui Tianda New 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

Anhui Tianda New Energy Co., Ltd.
Jian Xu

Date : 11.09.2024
Our ref. : Ruanand 01
Your ref.: L.L

No. 988, Qianqiu Road
Tianchang City, Chuzhou City,
239300 Anhui
P.R. China

Ref : PV Photovoltaic Modules

Type of Equipment : PV Module
Model Designation : See Certificate
Certificate No. : PV 50588999 0001
Report No. : CN22HXUV 003

Dear Jian Xu,

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: Apex Solar Energy Technology GmbH

With kind regards,

Certification Body


Dipl.-Ing. (TU) G. Reimann

Enclosure

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