

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.* PV 50586300
Blatt *Sheet* 0001

Ihr Zeichen *Client Reference* P.W
Unser Zeichen *Our Reference* 01-HUELL-CN23FTQ9 001
Ausstellungsdatum *Date of Issue* 22.05.2023
(day/mo/yr)

Genehmigungsinhaber *License Holder* Shenzhen Aiko Digital Energy Technology Co., Ltd.
Room 607, Building B, Tengfei Industrial Building, No.6 Taohua Road Fubao Community, Fubao Street, Futian District, Shenzhen 518045 Guangdong 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 61215-1:2021
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 cells (Under STC):
AIKO-Axxx-MAH72Dw (xxx=585-620, in steps of 5, 144 cells)
AIKO-Axxx-MAH60Dw (xxx=490-515, in steps of 5, 120 cells)
AIKO-Axxx-MAH54Dw (xxx=440-465, in steps of 5, 108 cells)
AIKO-Axxx-MAH72Db (xxx=585-620, in steps of 5, 144 cells)
AIKO-Axxx-MAH60Db (xxx=490-515, in steps of 5, 120 cells)
AIKO-Axxx-MAH54Db (xxx=440-465, in steps of 5, 108 cells)
With 1/2 cut of mono c-Si cells (Under BNPI):
AIKO-Axxx-MAH72Dw (xxx=615-650, in steps of 5, 144 cells)
AIKO-Axxx-MAH60Dw (xxx=515-540, in steps of 5, 120 cells)
AIKO-Axxx-MAH54Dw (xxx=460-485, in steps of 5, 108 cells)
AIKO-Axxx-MAH72Db (xxx=615-650, in steps of 5, 144 cells)
AIKO-Axxx-MAH60Db (xxx=515-540, in steps of 5, 120 cells)
AIKO-Axxx-MAH54Db (xxx=460-485, 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.



Dipl.-Ing. (P) Tim Kirschner

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
<http://www.tuv.com/safety> E-mail: markcheck@tuv.com
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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50586300

Blatt *Sheet*
0002

Ihr Zeichen *Client Reference*
P.W

Unser Zeichen *Our Reference*
01-HUELL-CN23FTQ9 001

Ausstellungsdatum
22.05.2023

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Shenzhen Aiko Digital Energy
Technology Co., Ltd.
Room 607, Building B, Tengfei
Industrial Building, No.6 Taohua Road
Fubao Community, Fubao Street, Futian
District, Shenzhen 518045 Guangdong
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 61215-1:2021
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

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)
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 21 May 2028.

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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



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50586300

Blatt *Sheet*
0003

Ihr Zeichen *Client Reference*
P.W

Unser Zeichen *Our Reference*
01-GJJ-CN23FTQ9 004

Ausstellungsdatum *Date of Issue*
28.09.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*

Shenzhen Aiko Digital Energy
Technology Co., Ltd.
Room 607, Building B, Tengfei
Industrial Building, No.6 Taohua Road
Fubao Community, Fubao Street, Futian
District, Shenzhen 518045 Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

Refer to latest revision
of the annex list of factories

Prüfzeichen *Test Mark*



IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1111269297

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)***

PV Module

Same as Page 0001-0002

**Lizenzentgelte - Einheit
*License Fee - Unit***

In addition:

Type Designation:

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

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

AIKO-Axxx-MAH72Dw (xxx=625, in steps of 5, 144 cells)

AIKO-Axxx-MAH60Dw (xxx=520, in steps of 5, 120 cells)

With 1/2 cut of mono c-Si cells (Under BNPI):

AIKO-Axxx-MAH72Dw (xxx=655, in steps of 5, 144 cells)

AIKO-Axxx-MAH60Dw (xxx=545, in steps of 5, 120 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.



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

Angela Yao

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
PV 50586300

Blatt *Sheet*
0004

Ihr Zeichen *Client Reference*
P.W

Unser Zeichen *Our Reference*
01-JS-CN23FTQ9 005

Ausstellungsdatum *Date of Issue*
16.11.2023 (day/mo/yr)

Genehmigungsinhaber *License Holder*

Shenzhen Aiko Digital Energy
Technology Co., Ltd.
Room 607, Building B, Tengfei
Industrial Building, No.6 Taohua Road
Fubao Community, Fubao Street, Futian
District, Shenzhen 518045 Guangdong
P.R. China

Fertigungsstätte *Manufacturing Plant*

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Prüfzeichen *Test Mark*



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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 0001-0003

In addition:

Type Designation:

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

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

AIKO-Gxxx-MCH72Dw (xxx=610-650, in steps of 5, 144 cells)

AIKO-Gxxx-MCH54Dw (xxx=460-485, in steps of 5, 108 cells)

With 1/2 cut of mono c-Si cells (Under BNPI):

AIKO-Gxxx-MCH72Dw (xxx=665-705, in steps of 5, 144 cells)

AIKO-Gxxx-MCH54Dw (xxx=500-525, in steps of 5, 108 cells)

xxx represents output power in Wp

Remarks:

- Manufacturing plant update: see annex.

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This certificate is based on our Testing and Certification Regulation. The product
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Dipl.-Ing. Matthias Grzam

Anlage Fertigungsstättenliste
/Attachment List of Factories



PV 50546229 0001

Anlagenrevision / Annex revision

2

1 Guangdong Aiko Solar Technology
Co., Ltd.
No.3, South Qili Avenue, Leping Town,
Sanshui District, Foshan,
528137 Guangdong
P.R. China

2 Zhuhai Fushan Aiko Solar Technology
Co., Ltd.
Room 139, No.6, West Zhufeng Avenue, Fushan
Industrial Park, Doumen District, Zhuhai
519175 Guangdong
P.R. China

A large, faded version of the TÜVRheinland logo and text is centered on the page, serving as a watermark. It includes the stylized triangle logo and the text 'TÜVRheinland' with a registered trademark symbol (®) to its right.

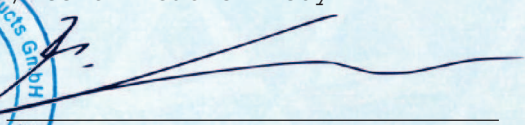
TÜVRheinland®

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

Datum / Date 24.06.2022



Zertifizierungsstelle
/ Certification Body


Dipl.-Ing. Matthias Grzam