

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
PV 50555126

Blatt Sheet
0001

Ihr Zeichen Client Reference
F.C.

Unser Zeichen Our Reference
01-GJJ-CN22DPW2 001

Ausstellungsdatum Date of Issue
25.08.2022 (day/month/yr)

Genehmigungsinhaber License Holder
AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany

Fertigungsstätte Manufacturing Plant
Refer to latest revision
of the annex list of factories

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
IEC 62716:2013
EN 62716:2013

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 210 mono c-Si cell:

AExxxME-132BD (xxx=640-675, in steps of 5, 132 cells)

AExxxME-120BD (xxx=580-610, in steps of 5, 120 cells)

AExxxME-110BD (xxx=530-555, in steps of 5, 110 cells)

With ¼ cut of 210 mono c-Si cell:

AExxxME-T150BD (xxx=480-520, in steps of 5, 150 cells)

AExxxME-T120BD (xxx=385-415, in steps of 5, 120 cells)

With ½ cut of 182 mono c-Si cell:

AExxxMD-156BD (xxx=565-600, in steps of 5, 156 cells)

AExxxMD-144BD (xxx=520-555, in steps of 5, 144 cells)

AExxxMD-132BD (xxx=480-505, in steps of 5, 132 cells)

AExxxMD-120BD (xxx=435-460, in steps of 5, 120 cells)

AExxxMD-108BD (xxx=390-415, in steps of 5, 108 cells)

AExxxMD-96BD (xxx=350-370, in steps of 5, 96 cells)

AExxxMD-72BD (xxx=260-275, in steps of 5, 72 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



Zertifikat

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Zertifikat Nr. *Certificate No.*
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0002

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25.08.2022 (day/mo/yr)

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AE SOLAR GmbH
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Fertigungsstätte *Manufacturing Plant*
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License Fee - Unit

PV Module

Continuation of Page 1

With ½ cut of 166 mono c-Si cell:

AExxxMC-144BD (xxx=420-460, in steps of 5, 144 cells)

AExxxMC-132BD (xxx=385-420, in steps of 5, 132 cells)

AExxxMC-120BD (xxx=350-385, in steps of 5, 120 cells)

AExxxMC-108BD (xxx=315-345, in steps of 5, 108 cells)

AExxxMC-96BD (xxx=280-305, in steps of 5, 96 cells)

AExxxMC-72BD (xxx=210-230, in steps of 5, 72 cells)

With ½ cut of 158 mono c-Si cell:

AExxxMB-144BD (xxx=390-415, in steps of 5, 144 cells)

AExxxMB-120BD (xxx=325-345, in steps of 5, 120 cells)

Remarks:

Valid in conjunction with TÜV Rheinland certificate
PV 50552776 Page 1-3. Only for the material combination as
listed in the above mentioned test report.

Continued on Page 0003

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Zertifizierungsstelle



Dipl.-Ing. Matthias Grzam

Zertifikat

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Zertifikat Nr. *Certificate No.*
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0003

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Fertigungsstätte *Manufacturing Plant*
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Prüfzeichen *Test Mark*



IEC 62716
Ammonia
Resistance
Regular Production
Surveillance

www.tuv.com
ID 1111258057

Geprüft nach *Tested acc. to*
IEC 62716:2013
EN 62716:2013

Zertifiziertes Produkt (Geräteidentifikation)
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License Fee - Unit

PV Module

Continuation of Page 1

Conditions:

The product test is voluntarily according to technical or processing may require the repetition of some of the regulations. Any change of the design, materials, components qualification tests in order to retain type approval. This certificate is valid until 31 July 2027.

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0004

Ihr Zeichen Client Reference
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Unser Zeichen Our Reference
01-GJJ-CN22DPW2 002

Ausstellungsdatum Date of Issue
09.03.2023 (day/mo/yr)

Genehmigungsinhaber License Holder
AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany

Fertigungsstätte Manufacturing Plant
Refer to latest revision
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Geprüft nach Tested acc. to

IEC 62716:2013
EN 62716:2013

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 ½ cut of 182 mono c-Si cell:

AExxxCMD-144BDS (xxx=555-585, in steps of 5, 144 cells)

AExxxCMD-120BDS (xxx=460-490, in steps of 5, 120 cells)

AExxxCMD-108BDS (xxx=410-440, in steps of 5, 108 cells)

With ½ cut of 210 mono c-Si cell:

AExxxCME-132BDS (xxx=660-680, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=600-620, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=550-570, in steps of 5, 110 cells)

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0005

Ihr Zeichen *Client Reference*
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Unser Zeichen *Our Reference*
01-GJJ-CN22DPW2 004

Ausstellungsdatum *Date of Issue*
06.01.2025 (day/mo/yr)

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AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany

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Zertifiziertes Produkt (Geräteidentifikation)
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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 ½ cut of 210 mono c-Si cell (Under STC):

AExxxCME-132BDS (xxx=685-730, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=625-660, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=575-605, in steps of 5, 110 cells)

AExxxCME-132BDE (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDE (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDE (xxx=550-605, in steps of 5, 110 cells)

With ½ cut of 182 mono c-Si cell (Under STC):

AExxxCMD-144BDS (xxx=590-595, in steps of 5, 144 cells)

AExxxCMD-120BDS (xxx=495, 120 cells)

AExxxCMD-108BDS (xxx=445, 108 cells)

With ½ cut of 182 mono c-Si cell (Under STC):

AExxxCMD-L144BD (xxx=560-585, in steps of 5, 144 cells)

AExxxCMD-L132BD (xxx=510-535, in steps of 5, 132 cells)

With ½ cut of 210 mono c-Si cell:

AExxxME-132BDE (xxx=640-675, in steps of 5, 132 cells)

AExxxME-120BDE (xxx=580-610, in steps of 5, 120 cells)

AExxxME-110BDE (xxx=530-555, in steps of 5, 110 cells)

Continued on Page 0006

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Zertifizierungsstelle

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Angela Yao

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Zertifikat Nr. Certificate No.
PV 50555126

Blatt Sheet
0006

Ihr Zeichen Client Reference
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Unser Zeichen Our Reference
01-GJJ-CN22DPW2 004

Ausstellungsdatum Date of Issue
06.01.2025 (day/mo/yr)

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AE SOLAR GmbH
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Germany

Fertigungsstätte Manufacturing Plant
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Prüfzeichen Test Mark



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Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0005

With 1/3 cut of 210 mono c-Si cell:

AExxxME-T150BDE (xxx=480-520, in steps of 5, 150 cells)

AExxxME-T120BDE (xxx=385-415, in steps of 5, 120 cells)

With 1/2 cut of 182 mono c-Si cell:

AExxxMD-156BDE (xxx=565-600, in steps of 5, 156 cells)

AExxxMD-144BDE (xxx=520-555, in steps of 5, 144 cells)

AExxxMD-132BDE (xxx=480-505, in steps of 5, 132 cells)

AExxxMD-120BDE (xxx=435-460, in steps of 5, 120 cells)

AExxxMD-108BDE (xxx=390-415, in steps of 5, 108 cells)

AExxxMD-96BDE (xxx=350-370, in steps of 5, 96 cells)

AExxxMD-72BDE (xxx=260-275, in steps of 5, 72 cells)

With 1/2 cut of 166 mono c-Si cell:

AExxxMC-144BDE (xxx=420-460, in steps of 5, 144 cells)

AExxxMC-132BDE (xxx=385-420, in steps of 5, 132 cells)

AExxxMC-120BDE (xxx=350-385, in steps of 5, 120 cells)

AExxxMC-108BDE (xxx=315-345, in steps of 5, 108 cells)

AExxxMC-96BDE (xxx=280-305, in steps of 5, 96 cells)

AExxxMC-72BDE (xxx=210-230, in steps of 5, 72 cells)

With 1/2 cut of 158 mono c-Si cell:

AExxxMB-144BDE (xxx=390-415, in steps of 5, 144 cells)

AExxxMB-120BDE (xxx=325-345, in steps of 5, 120 cells)

Continued on Page 0007

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
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This certificate is based on our Testing and Certification Regulation. The product
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Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

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Fax: +49 221 806-3935

Angela Yao

Zertifikat

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Zertifikat Nr. *Certificate No.*
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Blatt *Sheet*
0007

Ihr Zeichen *Client Reference*
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Unser Zeichen *Our Reference*
01-GJJ-CN22DPW2 004

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06.01.2025 (day/mo/yr)

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AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany

Fertigungsstätte *Manufacturing Plant*
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Prüfzeichen *Test Mark*



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ID 1111258057

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

Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0006

With ½ cut of 182 mono c-Si cell:

AExxxCMD-144BDE (xxx=555-595, in steps of 5, 144 cells)

AExxxCMD-120BDE (xxx=460-495, in steps of 5, 120 cells)

AExxxCMD-108BDE (xxx=410-445, in steps of 5, 108 cells)

With ½ cut of 210 HJT cell:

AExxxTME-132BDS (xxx=675-725, in steps of 5, 132 cells)

AExxxTME-120BDS (xxx=615-655, in steps of 5, 120 cells)

AExxxTME-110BDS (xxx=560-600, in steps of 5, 110 cells)

With ½ cut of 166 HJT cell:

AExxxTMC-120BDS (xxx=380-400, in steps of 5, 120 cells)

AExxxTMC-144BDS (xxx=460-485, in steps of 5, 144 cells)

With ½ cut of 182 HJT cell:

AExxxTMD-144BDS (xxx=565-595, in steps of 5, 144 cells)

AExxxTMD-120BDS (xxx=465-495, in steps of 5, 120 cells)

AExxxTMD-108BDS (xxx=410-445, in steps of 5, 108 cells)

AExxxTMD-108BDE (xxx=410-445, in steps of 5, 108 cells)

With ½ cut of 158.75 HJT cell:

AExxxTMB-144BDS (xxx=400-420, in steps of 5, 144 cells)

Continued on Page 0008

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License Fee - Unit

PV Module

Continuation of Page 0007

With ½ cut of 210 mono c-Si cell(Under BNPI):

AExxxCME-132BDS (xxx=732, 738, 743, 748, 754, 754, 759, 765, 770, 776, 781, 786, 790, 794, 797, 800, 132 cells)

AExxxCME-120BDS (xxx=665, 670, 676, 681, 687, 693, 698, 704, 709, 715, 720, 726, 731, 120 cells)

AExxxCME-110BDS (xxx=609, 615, 621, 626, 632, 637, 643, 648, 654, 659, 665, 670, 110 cells)

AExxxCME-132BDE (xxx=732, 738, 743, 748, 754, 754, 759, 765, 770, 776, 781, 786, 790, 794, 797, 800, 132 cells)

AExxxCME-120BDE (xxx=665, 670, 676, 681, 687, 693, 698, 704, 709, 715, 720, 726, 731, 120 cells)

AExxxCME-110BDE (xxx=609, 615, 621, 626, 632, 637, 643, 648, 654, 659, 665, 670, 110 cells)

With ½ cut of 182 mono c-Si cell (Under BNPI):

AExxxCMD-L144BD (xxx=625-650, in steps of 5, 144 cells)

AExxxCMD-L132BD (xxx=570-595, in steps of 5, 132 cells)

Continued on Page 0009

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Lizenzentgelte - Einheit
License Fee - Unit

PV Module

Continuation of Page 0008

With ½ cut of 182 mono c-Si cell(Under BNPI):

AExxxCMD-144BDS

(xxx=615, 620, 625, 630, 635, 639, 643, 647, 650, 144 cells)

AExxxCMD-120BDS

(xxx=510, 515, 521, 526, 532, 537, 543, 548, 120 cells)

AExxxCMD-108BDS

(xxx=454, 460, 465, 471, 476, 482, 488, 493, 108 cells)

AExxxCMD-144BDE

(xxx=615, 620, 625, 630, 635, 639, 643, 647, 650, 144 cells)

AExxxCMD-120BDE

(xxx=510, 515, 521, 526, 532, 537, 543, 548, 120 cells)

AExxxCMD-108BDE

(xxx=454, 460, 465, 471, 476, 482, 488, 493, 108 cells)

With 1/2 cut of 210 HJT cells (Under BNPI):

AExxxTME-132BDS (xxx=759-809, in steps of 5, 132 cells)

AExxxTME-120BDS (xxx=695-735, in steps of 5, 120 cells)

AExxxTME-110BDS (xxx=634-674, in steps of 5, 110 cells)

With ½ cut of 182 mono c-Si cell:

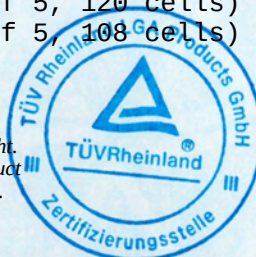
AExxxCMD-144BDS-I (xxx=555-595, in steps of 5, 144 cells)

AExxxCMD-120BDS-I (xxx=460-495, in steps of 5, 120 cells)

AExxxCMD-108BDS-I (xxx=410-445, in steps of 5, 108 cells)

Continued on Page 0010

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License Fee - Unit

PV Module

Continuation of Page 0009

With ½ cut of 210 mono c-Si cell:

AExxxCMER-132BDS-I (xxx=600-640, in steps of 5, 132 cells)

AExxxCMER-108BDS-I (xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-108BDE-I (xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-96BDS-I (xxx=430-465, in steps of 5, 96 cells)

AExxxCMER-96BDE-I (xxx=430-465, in steps of 5, 96 cells)

xxx represents output power in Wp

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Angela Yao

**Anlage Fertigungsstättenliste
/Attachment List of Factories**



PV 50555126 0001

1 ALTERNATIVE ENERGY (AE) SOLAR
CO., LTD.
No. 26, Jingyi Road,
Hongze Economic Development Zone,
Huai'an,
223100 Jiangsu
P.R. China

2 AESOLAR ELEKTRİK SANAYİ VE TİCARET
ANONİM ŞİRKETİ
Mimarsinan Organize Sanayi Bölgesi 15.cad
No.8 Melikgazi
Turkey

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

Datum / Date 25.08.2022

Zertifizierungsstelle
/ Certification Body

Dipl.-Ing. Matthias Grzam



CERTIFICATE

of Conformity

Registration No.: AK 50661264 0001
Report No.: CN228PS4 003
Holder: AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany
Product: PV Module

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-01-09

Certification Body



Angela Yao



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Registration No.: AK 50661264 0001

Product: PV Module

Tested according to: IEC 60068-2-68:1994

Identification:

Type Designation

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

With $\frac{1}{2}$ cut of 210 mono c-Si cell(Under STC):

AExxxCME-132BDS (xxx=685-730, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=625-660, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=575-605, in steps of 5, 110 cells)

AExxxCME-132BDE (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDE (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDE (xxx=550-605, in steps of 5, 110 cells)

With $\frac{1}{2}$ cut of 182 mono c-Si cell (Under STC):

AExxxCMD-144BDS (xxx=590-595, in steps of 5, 144 cells)

AExxxCMD-120BDS (xxx=495, 120 cells)

AExxxCMD-108BDS (xxx=445, 108 cells)

With $\frac{1}{2}$ cut of 182 mono c-Si cell (Under STC):

AExxxCMD-L144BD (xxx=560-585, in steps of 5, 144 cells)

AExxxCMD-L132BD (xxx=510-535, in steps of 5, 132 cells)

With $\frac{1}{2}$ cut of 210 mono c-Si cell:

AExxxME-132BDE (xxx=640-675, in steps of 5, 132 cells)

AExxxME-120BDE (xxx=580-610, in steps of 5, 120 cells)

AExxxME-110BDE (xxx=530-555, in steps of 5, 110 cells)

With $\frac{1}{2}$ cut of 210 mono c-Si cell:

AExxxME-T150BDE (xxx=480-520, in steps of 5, 150 cells)

AExxxME-T120BDE (xxx=385-415, in steps of 5, 120 cells)

With $\frac{1}{2}$ cut of 182 mono c-Si cell:

AExxxMD-156BDE (xxx=565-600, in steps of 5, 156 cells)

AExxxMD-144BDE (xxx=520-555, in steps of 5, 144 cells)

AExxxMD-132BDE (xxx=480-505, in steps of 5, 132 cells)

AExxxMD-120BDE (xxx=435-460, in steps of 5, 120 cells)

AExxxMD-108BDE (xxx=390-415, in steps of 5, 108 cells)

AExxxMD-96BDE (xxx=350-370, in steps of 5, 96 cells)

AExxxMD-72BDE (xxx=260-275, in steps of 5, 72 cells)

With $\frac{1}{2}$ cut of 166 mono c-Si cell:

AExxxMC-144BDE (xxx=420-460, in steps of 5, 144 cells)

AExxxMC-132BDE (xxx=385-420, in steps of 5, 132 cells)

AExxxMC-120BDE (xxx=350-385, in steps of 5, 120 cells)

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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CERTIFICATE

of Conformity

Registration No.: AK 50661264 0001

Product: PV Module

Tested according to: IEC 60068-2-68:1994

Identification:

Type Designation

AExxxMC-108BDE (xxx=315-345, in steps of 5, 108 cells)
AExxxMC-96BDE (xxx=280-305, in steps of 5, 96 cells)
AExxxMC-72BDE (xxx=210-230, in steps of 5, 72 cells)
With ½ cut of 158 mono c-Si cell:
AExxxMB-144BDE (xxx=390-415, in steps of 5, 144 cells)
AExxxMB-120BDE (xxx=325-345, in steps of 5, 120 cells)
With ½ cut of 182 mono c-Si cell:
AExxxCMD-144BDE (xxx=555-595, in steps of 5, 144 cells)
AExxxCMD-120BDE (xxx=460-495, in steps of 5, 120 cells)
AExxxCMD-108BDE (xxx=410-445, in steps of 5, 108 cells)
With ½ cut of 210 HJT cell:
AEXXXTME-132BDS (xxx=675-725, in steps of 5, 132 cells)
AEXXXTME-120BDS (xxx=615-655, in steps of 5, 120 cells)
AEXXXTME-110BDS (xxx=560-600, in steps of 5, 110 cells)
With ½ cut of 166 HJT cell:
AEXXXTMC-120BDS (xxx=380-400, in steps of 5, 120 cells)
AEXXXTMC-144BDS (xxx=460-485, in steps of 5, 144 cells)
With ½ cut of 182 HJT cell:
AEXXXTMD-144BDS (xxx=565-595, in steps of 5, 144 cells)
AEXXXTMD-120BDS (xxx=465-495, in steps of 5, 120 cells)
AEXXXTMD-108BDS (xxx=410-445, in steps of 5, 108 cells)
AEXXXTMD-108BDE (xxx=410-445, in steps of 5, 108 cells)
With ½ cut of 158.75 HJT cell:
AEXXXTMB-144BDS (xxx=400-420, in steps of 5, 144 cells)
With ½ cut of 210 mono c-Si cell(Under BNPI):
AExxxCME-132BDS (xxx=732,738,743,748,754,754,759,765,
770,776,781,786,790,794,797,800, 132 cells)
AExxxCME-120BDS (xxx=665,670,676,681,687,693,698,704,
709,715,720,726,731, 120 cells)
AExxxCME-110BDS (xxx=609,615,621,626,632,637,643,648,
654,659,665,670, 110 cells)
AExxxCME-132BDE (xxx=732,738,743,748,754,754,759,765,
770,776,781,786,790,794,797,800, 132 cells)
AExxxCME-120BDE (xxx=665,670,676,681,687,693,698,704,
709,715,720,726,731, 120 cells)

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

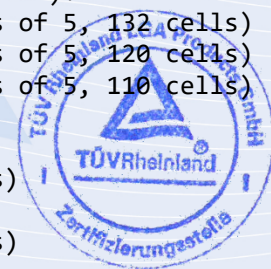
of Conformity

Registration No.: AK 50661264 0001

Product: PV Module

Tested according to: IEC 60068-2-68:1994

Identification: Type Designation
AExxxCME-110BDE (xxx=609,615,621,626,632,637,643,648,
654,659,665,670, 110 cells)
With ½ cut of 182 mono c-Si cell (Under BNPI):
AExxxCMD-L144BD (xxx=625-650, in steps of 5, 144 cells)
AExxxCMD-L132BD (xxx=570-595, in steps of 5, 132 cells)
With ½ cut of 182 mono c-Si cell(Under BNPI):
AExxxCMD-144BDS
(xxx=615,620,625,630,635,639,643,647,650, 144 cells)
AExxxCMD-120BDS
(xxx=510,515,521,526,532,537,543,548, 120 cells)
AExxxCMD-108BDS
(xxx=454,460,465,471,476,482,488,493, 108 cells)
AExxxCMD-144BDE
(xxx=615,620,625,630,635,639,643,647,650, 144 cells)
AExxxCMD-120BDE
(xxx=510,515,521,526,532,537,543,548, 120 cells)
AExxxCMD-108BDE
(xxx=454,460,465,471,476,482,488,493, 108 cells)
With 1/2 cut of 210 HJT cells (Under BNPI):
AExxxTME-132BDS (xxx=759-809, in steps of 5, 132 cells)
AExxxTME-120BDS (xxx=695-735, in steps of 5, 120 cells)
AExxxTME-110BDS (xxx=634-674, in steps of 5, 110 cells)
With ½ cut of 182 mono c-Si cell:
AExxxCMD-144BDS-I
(xxx=555-595, in steps of 5, 144 cells)
AExxxCMD-120BDS-I
(xxx=460-495, in steps of 5, 120 cells)
AExxxCMD-108BDS-I
(xxx=410-445, in steps of 5, 108 cells)
With ½ cut of 210 mono c-Si cell:
AExxxCMER-132BDS-I
(xxx=600-640, in steps of 5, 132 cells)
AExxxCMER-108BDS-I
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-108BDE-I



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Registration No.: AK 50661264 0001

Product: PV Module

Tested according to: IEC 60068-2-68:1994

Identification: Type Designation
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-96BDS-I
(xxx=430-465, in steps of 5, 96 cells)
AExxxCMER-96BDE-I
(xxx=430-465, in steps of 5, 96 cells)
xxx represents output power in Wp



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

PV 50671350 0001

Berichtsnummer Report No.:

CN25ZSRA 001

Genehmigungsinhaber License Holder:

AE SOLAR GmbH
Messerschmitttring 54
86343 Königsbrunn
Germany

Fertigungsstätte Manufacturing Site:

ALTERNATIVE ENERGY (AE) SOLAR
CO., LTD.
No. 26, Jingyi Road,
Hongze Economic Development Zone,
Huai'an,
223100 Jiangsu
P.R. China

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
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

Geräteidentifikation
Product Identification
Produkt:

PV Module

Product:
Modell:

Modelle sind auf nächste(r) Seite(n) gelistet

Type:
Type designation(s) are listed on the next page(s)
Technische Daten:

Class II acc. to IEC 61140

Technical Data:

For other ratings, refer to the test report.

Gültig bis:

2030-04-09

Date of expiry:
Gültig ab:

2025-04-10

Valid from:
Zertifizierungsstelle:
Certification body:

Ausstellungsdatum:

2025-04-10

Date of issue:

Angela Yao

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

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50671350 0001

Berichtsnummer *Report No.:*

CN25ZSRA 001

Produkt *Product:* PV Module

Modell *Type:*
Bezeichnung *Designation:*

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

With ½ cut of 182 mono c-Si cell(under STC):

AExxxCMD-144BDS (xxx=555-595, in steps of 5, 144 cells)

AExxxCMD-120BDS (xxx=460-495, in steps of 5, 120 cells)

AExxxCMD-108BDS (xxx=410-445, in steps of 5, 108 cells)

AExxxCMD-144BDS-I (xxx=555-595, in steps of 5, 144 cells)

AExxxCMD-120BDS-I (xxx=460-495, in steps of 5, 120 cells)

AExxxCMD-108BDS-I (xxx=410-445, in steps of 5, 108 cells)

AExxxCMD-144BDE (xxx=555-595, in steps of 5, 144 cells)

AExxxCMD-120BDE (xxx=460-495, in steps of 5, 120 cells)

AExxxCMD-108BDE (xxx=410-445, in steps of 5, 108 cells)

With ½ cut of 182 mono c-Si cell(Under BNPI):

AExxxCMD-144BDS (xxx=615,620,625,630,635,640,645,650,655, 144 cells)

AExxxCMD-120BDS (xxx=510,515,520,525,530,535,540,545, 120 cells)

AExxxCMD-108BDS (xxx=455,460,465,470,475,480,485,490, 108 cells)

AExxxCMD-144BDS-I (xxx=615,620,625,630,635,640,645,650,655, 144 cells)

AExxxCMD-120BDS-I (xxx=510,515,520,525,530,535,540,545, 120 cells)

AExxxCMD-108BDS-I (xxx=455,460,465,470,475,480,485,490, 108 cells)

AExxxCMD-144BDE (xxx=615,620,625,630,635,640,645,650,655, 144 cells)

AExxxCMD-120BDE (xxx=510,515,520,525,530,535,540,545, 120 cells)

AExxxCMD-108BDE (xxx=455,460,465,470,475,480,485,490, 108 cells)

With ½ cut of 210 mono c-Si cell(Under STC):

AExxxCME-132BDS (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=550-605, in steps of 5, 110 cells)

AExxxCME-132BDE (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDE (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDE (xxx=550-605, in steps of 5, 110 cells)

With ½ cut of 210 mono c-Si cell(Under BNPI):

AExxxCME-132BDS

(xxx=735,740,745,750,755,760,765,770,775,780,785,790,795,800,805, 132cells)

AExxxCME-120BDS

(xxx=670,675,680,685,690,695,700,705,710,715,720,725,730, 120 cells)

AExxxCME-110BDS

(xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)

AExxxCME-132BDE

(xxx=735,740,745,750,755,760,765,770,775,780,785,790,795,800,805, 132cells)

AExxxCME-120BDE

(xxx=670,675,680,685,690,695,700,705,710,715,720,725,730, 120 cells)

AExxxCME-110BDE

(xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)

With ½ cut of 210 HJT cell (Under STC):

AExxxTME-132BDS (xxx=675-725, in steps of 5, 132 cells)

AExxxTME-120BDS (xxx=615-655, in steps of 5, 120 cells)

AExxxTME-110BDS (xxx=560-600, in steps of 5, 110 cells)

With 1/2 cut of 210 HJT cells (Under BNPI):



Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50671350 0001

Berichtsnummer *Report No.:*

CN25ZSRA 001

Produkt *Product:* PV Module

Modell *Type:*
Bezeichnung *Designation:*

AExxxTME-132BDS (xxx=760,765,770,775,780,785,790,795,800,805,810,132cells)
 AExxxTME-120BDS (xxx=695,700,705,710,715,720,725,730,735,120 cells)
 AExxxTME-110BDS (xxx=635,640,645,650,655,660,665,670,675,110 cells)
 With ½ cut of 166 HJT cell (Under STC):
 AEXXXTMC-120BDS (xxx=380-400, in steps of 5, 120 cells)
 AEXXXTMC-144BDS (xxx=460-485, in steps of 5, 144 cells)
 With ½ cut of 166 HJT cell (Under BNPI):
 AEXXXTMC-120BDS (xxx=425,430,435,440,445, 120 cells)
 AEXXXTMC-144BDS (xxx=510,515,520,525,530,535,144 cells)
 With ½ cut of 182 HJT cell (Under STC):
 AEXXXTMD-144BDS (xxx=565-595, in steps of 5, 144 cells)
 AEXXXTMD-120BDS (xxx=465-495, in steps of 5, 120 cells)
 AEXXXTMD-108BDS (xxx=410-445, in steps of 5, 108 cells)
 AEXXXTMD-108BDE (xxx=410-445, in steps of 5, 108 cells)
 With ½ cut of 182 HJT cell (Under BNPI):
 AEXXXTMD-144BDS (xxx=625,630,635,640,645,650,655,144 cells)
 AEXXXTMD-120BDS (xxx=520,525,530,535,540,545,550,120 cells)
 AEXXXTMD-108BDS (xxx=455,460,465,470,475,480,485,490,108 cells)
 AEXXXTMD-108BDE (xxx=455,460,465,470,475,480,485,490,108 cells)
 With ½ cut of 158.75 HJT cell (Under STC):
 AEXXXTMB-144BDS (xxx=400-420, in steps of 5, 144 cells)
 With ½ cut of 158.75 HJT cell (Under BNPI):
 AEXXXTMB-144BDS (xxx=445,450,455,460,465, 144 cells)
 With ½ cut of 182 mono c-Si cell (Under STC):
 AExxxCMD-L144BD (xxx=560-585, in steps of 5, 144 cells)
 AExxxCMD-L132BD (xxx=510-535, in steps of 5, 132 cells)
 With ½ cut of 182 mono c-Si cell (Under BNPI):
 AExxxCMD-L144BD (xxx=625-650, in steps of 5, 144 cells)
 AExxxCMD-L132BD (xxx=570-595, in steps of 5, 132 cells)
 With ½ cut of 210 mono c-Si cell(under STC):
 AExxxCMER-132BDS(xxx=600-640, in steps of 5, 132 cells)
 AExxxCMER-132BDS-I(xxx=600-640, in steps of 5, 132 cells)
 AExxxCMER-108BDS(xxx=490-520, in steps of 5, 108 cells)
 AExxxCMER-108BDE(xxx=490-520, in steps of 5, 108 cells)
 AExxxCMER-108BDS-I(xxx=490-520, in steps of 5, 108 cells)
 AExxxCMER-108BDE-I(xxx=490-520, in steps of 5, 108 cells)
 AExxxCMER-96BDS(xxx=430-465, in steps of 5, 96 cells)
 AExxxCMER-96BDE(xxx=430-465, in steps of 5, 96 cells)
 AExxxCMER-96BDS-I(xxx=430-465, in steps of 5, 96 cells)
 AExxxCMER-96BDE-I(xxx=430-465, in steps of 5, 96 cells)
 With ½ cut of 210 mono c-Si cell(under BNPI):
 AExxxCMER-132BDS (xxx=670,675,680,685,690,695,700,705,710, 132 cells)
 AExxxCMER-132BDS-I (xxx=670,675,680,685,690,695,700,705,710, 132cells)
 AExxxCMER-108BDS (xxx=545,550,555,560,565,570,575, 108 cells)
 AExxxCMER-108BDE (xxx=545,550,555,560,565,570,575, 108 cells)
 AExxxCMER-108BDS-I (xxx=545,550,555,560,565,570,575, 108 cells)
 AExxxCMER-108BDE-I (xxx=545,550,555,560,565,570,575, 108 cells)
 AExxxCMER-96BDS (xxx=480,485,490,495,500,505,510,515, 96 cells)
 AExxxCMER-96BDE (xxx=480,485,490,495,500,505,510,515, 96 cells)

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Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50671350 0001

Berichtsnummer *Report No.:*

CN25ZSRA 001

Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

AExxxCMER-96BDS-I (xxx=480,485,490,495,500,505,510,515, 96 cells)

AExxxCMER-96BDE-I (xxx=480,485,490,495,500,505,510,515, 96 cells)

With ½ cut of 182 mono c-Si cell(under STC):

AExxxCMD-96BD(xxx=370-400, in steps of 5, 96 cells)

AExxxCMD-88BD(xxx=335-370, in steps of 5, 88 cells)

AExxxCMD-80BD(xxx=305-335, in steps of 5, 80 cells)

AExxxCMD-72BD(xxx=275-300, in steps of 5, 72 cells)

With ½ cut of 182 mono c-Si cell(under BNPI):

AExxxCMD-96BD(xxx=410,415,420,425,430,435,440, 96 cells)

AExxxCMD-88BD(xxx=375,380,385,390,395,400,405,410, 88 cells)

AExxxCMD-80BD(xxx=340,345,350,355,360,365,370, 80 cells)

AExxxCMD-72BD(xxx=305,310,315,320,325,330, 72 cells)

xxx represents output power in Wp

Remarks:

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.



CERTIFICATE

of Conformity

Registration No.: AK 50695943 0001
Report No.: CN25PJD0 001
Holder: AE SOLAR GmbH
Messerschmittring 54
86343 Königsbrunn
Germany
Product: PV Module

Type designation listed on the next page

The certificate of conformity refers to the above-mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned on the next page. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date: 2025-09-19

Certification Body



Angela Yao



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Registration No.: AK 50695943 0001

Product: PV Module

Tested according to: 2 PfG 2387/01.18

Identification: Type Designation
Max. System Voltage: Up to 1500 VDC (Voc at STC):
With 1/3 cut of 182 mono c-Si cell(under STC):
AExxxCMD-96BD (xxx=370-400, in steps of 5, 96 cells)
AExxxCMD-88BD (xxx=335-370, in steps of 5, 88 cells)
AExxxCMD-80BD (xxx=305-335, in steps of 5, 80 cells)
AExxxCMD-72BD (xxx=275-300, in steps of 5, 72 cells)
With 1/3 cut of 182 mono c-Si cell(under BNPI):
AExxxCMD-96BD
(xxx=410,415,420,425,430,435,440, 96 cells)
AExxxCMD-88BD
(xxx=375,380,385,390,395,400,405,410, 88 cells)
AExxxCMD-80BD
(xxx=340,345,350,355,360,365,370, 80 cells)
AExxxCMD-72BD (xxx=305,310,315,320,325,330, 72 cells)
With 1/3 cut of 210 mono c-Si cell(under STC):
AExxxCMER-132BDS
(xxx=600-640, in steps of 5, 132 cells)
AExxxCMER-132BDS-I
(xxx=600-640, in steps of 5, 132 cells)
AExxxCMER-108BDS
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-108BDE
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-108BDS-I
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-108BDE-I
(xxx=490-520, in steps of 5, 108 cells)
AExxxCMER-96BDS
(xxx=430-465, in steps of 5, 96 cells)
AExxxCMER-96BDE
(xxx=430-465, in steps of 5, 96 cells)
AExxxCMER-96BDS-I
(xxx=430-465, in steps of 5, 96 cells)
AExxxCMER-96BDE-I
(xxx=430-465, in steps of 5, 96 cells)



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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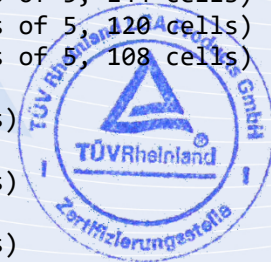
CERTIFICATE

of Conformity

Identification:

Type Designation

With ½ cut of 210 mono c-Si cell(under BNPI):
AExxxCMER-132BDS
(xxx=670,675,680,685,690,695,700,705,710, 132 cells)
AExxxCMER-132BDS-I
(xxx=670,675,680,685,690,695,700,705,710, 132 cells)
AExxxCMER-108BDS
(xxx=545,550,555,560,565,570,575, 108 cells)
AExxxCMER-108BDE
(xxx=545,550,555,560,565,570,575, 108 cells)
AExxxCMER-108BDS-I
(xxx=545,550,555,560,565,570,575, 108 cells)
AExxxCMER-108BDE-I
(xxx=545,550,555,560,565,570,575, 108 cells)
AExxxCMER-96BDS
(xxx=480,485,490,495,500,505,510,515, 96 cells)
AExxxCMER-96BDE
(xxx=480,485,490,495,500,505,510,515, 96 cells)
AExxxCMER-96BDS-I
(xxx=480,485,490,495,500,505,510,515, 96 cells)
AExxxCMER-96BDE-I
(xxx=480,485,490,495,500,505,510,515, 96 cells)
With ½ cut of 182 mono c-Si cell (Under STC):
AExxxCMD-L144BD (xxx=560-585, in steps of 5, 144 cells)
AExxxCMD-L132BD (xxx=510-535, in steps of 5, 132 cells)
With ½ cut of 182 mono c-Si cell (Under BNPI):
AExxxCMD-L144BD (xxx=625-650, in steps of 5, 144 cells)
AExxxCMD-L132BD (xxx=570-595, in steps of 5, 132 cells)
With ½ cut of 182 mono c-Si cell(Under STC):
AExxxCMD-144BDS (xxx=555-600, in steps of 5, 144 cells)
AExxxCMD-120BDS (xxx=460-500, in steps of 5, 120 cells)
AExxxCMD-108BDS (xxx=410-450, in steps of 5, 108 cells)
AExxxCMD-144BDS-I
(xxx=555-600, in steps of 5, 144 cells)
AExxxCMD-120BDS-I
(xxx=460-500, in steps of 5, 120 cells)
AExxxCMD-108BDS-I
(xxx=410-450, in steps of 5, 108 cells)
AExxxCMD-144BDE (xxx=555-600, in steps of 5, 144 cells)
AExxxCMD-120BDE (xxx=460-500, in steps of 5, 120 cells)
AExxxCMD-108BDE (xxx=410-450, in steps of 5, 108 cells)
With ½ cut of 182 mono c-Si cell(Under BNPI):
AExxxCMD-144BDS
(xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)
AExxxCMD-120BDS



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Identification:

Type Designation

(xxx=510,515,521,526,532,537,543,548,550, 120 cells)
 AExxxCMD-108BDS
 (xxx=454,460,465,471,476,482,488,493,495, 108 cells)
 AExxxCMD-144BDS-I
 (xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)
 AExxxCMD-120BDS-I
 (xxx=510,515,521,526,532,537,543,548,550, 120 cells)
 AExxxCMD-108BDS-I
 (xxx=454,460,465,471,476,482,488,493,495, 108 cells)
 AExxxCMD-144BDE
 (xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)
 AExxxCMD-120BDE
 (xxx=510,515,521,526,532,537,543,548,550, 120 cells)
 AExxxCMD-108BDE
 (xxx=454,460,465,471,476,482,488,493,495, 108 cells)
 With 1/2 cut of 210 mono c-Si cell(Under STC):
 AExxxCME-132BDS (xxx=660-730, in steps of 5, 132 cells)
 AExxxCME-120BDS (xxx=600-660, in steps of 5, 120 cells)
 AExxxCME-110BDS (xxx=550-605, in steps of 5, 110 cells)
 AExxxCME-132BDE (xxx=660-730, in steps of 5, 132 cells)
 AExxxCME-120BDE (xxx=600-660, in steps of 5, 120 cells)
 AExxxCME-110BDE (xxx=550-605, in steps of 5, 110 cells)
 With 1/2 cut of 210 mono c-Si cell(Under BNPI):
 AExxxCME-132BDS
 (xxx=735,740,745,750,755,760,765,770,775,780,785,790, 795,800,805,132 cells)
 AExxxCME-120BDS
 (xxx=670,675,680,685,690,695,700,705,710,715,720,725, 730, 120 cells)
 AExxxCME-110BDS
 (xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)
 AExxxCME-132BDE
 (xxx=735,740,745,750,755,760,765,770,775,780,785,790, 795,800,805, 132 cells)
 AExxxCME-120BDE
 (xxx=670,675,680,685,690,695,700,705,710,715,720,725, 730, 120 cells)
 AExxxCME-110BDE
 (xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)
 xxx represents output power in Wp



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE

of Conformity

Identification:

Type Designation

Remarks:

The test duration is 288H.



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TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50686685 0001

Berichtsnummer *Report No.:*

CN2506HL 001

Genehmigungsinhaber *License Holder:*

AE SOLAR GmbH
Messerschmitttring 54
86343 Königsbrunn
Germany

Fertigungsstätte *Manufacturing Site:*

ALTERNATIVE ENERGY (AE) SOLAR
CO., LTD.
No. 26, Jingyi Road,
Hongze Economic Development Zone,
Huai'an,
223100 Jiangsu
P.R. China

Prüfzeichen *Test Mark:*

Geprüft nach *Tested according to:*

IEC 61701:2020
EN IEC 61701:2020

Geräteidentifikation
Product Identification
Produkt: PV Module

Product:
Modell: Modelle sind auf nächste(r) Seite(n) gelistet

Type: *Type designation(s) are listed on the next page(s)*
Technische Daten: Class II acc. to IEC 61140

Technical Data: For other ratings, refer to the test report.

Gültig bis: 2030-04-09

Date of expiry:
Gültig ab: 2025-08-27

Valid from:
Ausstellungsdatum: 2025-08-27

Date of issue:
Zertifizierungsstelle:
Certification body:

Angela Yao



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

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50686685 0001

Berichtsnummer *Report No.:*

CN2506HL 001

Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

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

With ½ cut of 182 mono c-Si cell(under STC):

AExxxCMD-96BD(xxx=370-400, in steps of 5, 96 cells)

AExxxCMD-88BD(xxx=335-370, in steps of 5, 88 cells)

AExxxCMD-80BD(xxx=305-335, in steps of 5, 80 cells)

AExxxCMD-72BD(xxx=275-300, in steps of 5, 72 cells)

With ½ cut of 182 mono c-Si cell(under BNPI):

AExxxCMD-96BD(xxx=410,415,420,425,430,435,440, 96 cells)

AExxxCMD-88BD(xxx=375,380,385,390,395,400,405,410, 88 cells)

AExxxCMD-80BD(xxx=340,345,350,355,360,365,370, 80 cells)

AExxxCMD-72BD(xxx=305,310,315,320,325,330, 72 cells)

With ½ cut of 210 mono c-Si cell(under STC):

AExxxCMER-132BDS(xxx=600-640, in steps of 5, 132 cells)

AExxxCMER-132BDS-I(xxx=600-640, in steps of 5, 132 cells)

AExxxCMER-108BDS(xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-108BDE(xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-108BDS-I(xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-108BDE-I(xxx=490-520, in steps of 5, 108 cells)

AExxxCMER-96BDS(xxx=430-465, in steps of 5, 96 cells)

AExxxCMER-96BDE(xxx=430-465, in steps of 5, 96 cells)

AExxxCMER-96BDS-I(xxx=430-465, in steps of 5, 96 cells)

AExxxCMER-96BDE-I(xxx=430-465, in steps of 5, 96 cells)

With ½ cut of 210 mono c-Si cell(under BNPI):

AExxxCMER-132BDS (xxx=670,675,680,685,690,695,700,705,710, 132 cells)

AExxxCMER-132BDS-I

(xxx=670,675,680,685,690,695,700,705,710, 132 cells)

AExxxCMER-108BDS (xxx=545,550,555,560,565,570,575, 108 cells)

AExxxCMER-108BDE (xxx=545,550,555,560,565,570,575, 108 cells)

AExxxCMER-108BDS-I (xxx=545,550,555,560,565,570,575, 108 cells)

AExxxCMER-108BDE-I (xxx=545,550,555,560,565,570,575, 108 cells)

AExxxCMER-96BDS (xxx=480,485,490,495,500,505,510,515, 96 cells)

AExxxCMER-96BDE (xxx=480,485,490,495,500,505,510,515, 96 cells)

AExxxCMER-96BDS-I (xxx=480,485,490,495,500,505,510,515, 96 cells)

AExxxCMER-96BDE-I (xxx=480,485,490,495,500,505,510,515, 96 cells)

With ½ cut of 182 mono c-Si cell (Under STC):

AExxxCMD-L144BD (xxx=560-585, in steps of 5, 144 cells)

AExxxCMD-L132BD (xxx=510-535, in steps of 5, 132 cells)

With ½ cut of 182 mono c-Si cell (Under BNPI):

AExxxCMD-L144BD (xxx=625-650, in steps of 5, 144 cells)

AExxxCMD-L132BD (xxx=570-595, in steps of 5, 132 cells)

Power range extension for following models:

With ½ cut of 210 mono c-Si cell(Under STC):

AExxxCME-132BDS (xxx=685-730, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=625-660, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=575-605, in steps of 5, 110 cells)

AExxxCME-132BDE (xxx=685-730, in steps of 5, 132 cells)

AExxxCME-120BDE (xxx=625-660, in steps of 5, 120 cells)

AExxxCME-110BDE (xxx=575-605, in steps of 5, 110 cells)

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50686685 0001

Berichtsnummer *Report No.:*

CN2506HL 001

Produkt *Product:* PV Module

Modell *Type:*
Bezeichnung *Designation:*

With ½ cut of 210 mono c-Si cell(Under BNPI):

AExxxCME-132BDS

(xxx=732,738,743,748,754,754,759,765,770,776,781,786,790,794,797,800, 132 cells)

AExxxCME-120BDS

(xxx=665,670,676,681,687,693,698,704,709,715,720,726,731, 120 cells)

AExxxCME-110BDS

(xxx=609,615,621,626,632,637,643,648,654,659,665,670, 110 cells)

AExxxCME-132BDE

(xxx=732,738,743,748,754,754,759,765,770,776,781,786,790,794,797,800, 132 cells)

AExxxCME-120BDE

(xxx=665,670,676,681,687,693,698,704,709,715,720,726,731, 120 cells)

AExxxCME-110BDE

(xxx=609,615,621,626,632,637,643,648,654,659,665,670, 110 cells)

With ½ cut of 182 mono c-Si cell(Under STC):

AExxxCMD-144BDS (xxx=555-600, in steps of 5, 144 cells)

AExxxCMD-120BDS (xxx=460-500, in steps of 5, 120 cells)

AExxxCMD-108BDS (xxx=410-450, in steps of 5, 108 cells)

AExxxCMD-144BDS-I (xxx=555-600, in steps of 5, 144 cells)

AExxxCMD-120BDS-I (xxx=460-500, in steps of 5, 120 cells)

AExxxCMD-108BDS-I (xxx=410-450, in steps of 5, 108 cells)

AExxxCMD-144BDE (xxx=555-600, in steps of 5, 144 cells)

AExxxCMD-120BDE (xxx=460-500, in steps of 5, 120 cells)

AExxxCMD-108BDE (xxx=410-450, in steps of 5, 108 cells)

With ½ cut of 182 mono c-Si cell(Under BNPI):

AExxxCMD-144BDS

(xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)

AExxxCMD-120BDS (xxx=510,515,521,526,532,537,543,548,550, 120 cells)

AExxxCMD-108BDS (xxx=454,460,465,471,476,482,488,493,495, 108 cells)

AExxxCMD-144BDS-I

(xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)

AExxxCMD-120BDS-I (xxx=510,515,521,526,532,537,543,548,550, 120 cells)

AExxxCMD-108BDS-I (xxx=454,460,465,471,476,482,488,493,495, 108 cells)

AExxxCMD-144BDE

(xxx=615,620,625,630,635,639,643,647,650,660, 144 cells)

AExxxCMD-120BDE (xxx=510,515,521,526,532,537,543,548,550, 120 cells)

AExxxCMD-108BDE (xxx=454,460,465,471,476,482,488,493,495, 108 cells)

With ½ cut of 210 mono c-Si cell(Under STC):

AExxxCME-132BDS (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDS (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDS (xxx=550-605, in steps of 5, 110 cells)

AExxxCME-132BDE (xxx=660-730, in steps of 5, 132 cells)

AExxxCME-120BDE (xxx=600-660, in steps of 5, 120 cells)

AExxxCME-110BDE (xxx=550-605, in steps of 5, 110 cells)

With ½ cut of 210 mono c-Si cell(Under BNPI):

AExxxCME-132BDS

(xxx=735,740,745,750,755,760,765,770,775,780,785,790,795,800,805, 132 cells)

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50686685 0001

Berichtsnummer *Report No.:*

CN25O6HL 001

Produkt *Product:* PV Module

Modell *Type:*
Bezeichnung *Designation:*

AExxxCME-120BDS

(xxx=670,675,680,685,690,695,700,705,710,715,720,725,730, 120 cells)

AExxxCME-110BDS

(xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)

AExxxCME-132BDE

(xxx=735,740,745,750,755,760,765,770,775,780,785,790,795,800,805, 132 cells)

AExxxCME-120BDE

(xxx=670,675,680,685,690,695,700,705,710,715,720,725,730, 120 cells)

AExxxCME-110BDE

(xxx=615,620,625,630,635,640,645,650,655,660,665,670, 110 cells)

With ½ cut of 210 HJT cell(Under STC):

AExxxTME-132BDS (xxx=675-725, in steps of 5, 132 cells)

AExxxTME-120BDS (xxx=615-655, in steps of 5, 120 cells)

AExxxTME-110BDS (xxx=560-600, in steps of 5, 110 cells)

With 1/2 cut of 210 HJT cells (Under BNPI):

AExxxTME-132BDS (xxx=759-809, in steps of 5, 132 cells)

AExxxTME-120BDS (xxx=695-735, in steps of 5, 120 cells)

AExxxTME-110BDS (xxx=634-674, in steps of 5, 110 cells)

With ½ cut of 166 HJT cell:

AExxxTMC-120BDS (xxx=380-400, in steps of 5, 120 cells)

AExxxTMC-144BDS (xxx=460-485, in steps of 5, 144 cells)

With ½ cut of 182 HJT cell:

AExxxTMD-144BDS (xxx=565-595, in steps of 5, 144 cells)

AExxxTMD-120BDS (xxx=465-495, in steps of 5, 120 cells)

AExxxTMD-108BDS (xxx=410-445, in steps of 5, 108 cells)

AExxxTMD-108BDE (xxx=410-445, in steps of 5, 108 cells)

With ½ cut of 158.75 HJT cell:

AExxxTMB-144BDS (xxx=400-420, in steps of 5, 144 cells)

xxx represents output power in Wp

Remarks:

- Valid in conjunction with TÜV Rheinland certificate PV 50671350 0001-0002 and only for the material combination as listed in the above mentioned test report.
- Test performed with Test Method 6.

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.

