

Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*

PV 50643017 0001

Berichtsnummer *Report No.:*

CN24IZU3 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:*


IEC 61701
Salt Mist
Resistance
Regular Production
Surveillance

www.tuv.com
ID 1111289469

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: 2027-03-20

Date of expiry:

Gültig ab: 2024-08-13

Valid from:

Ausstellungsdatum: 2024-08-13

Date of issue:

Zertifizierungsstelle:

Certification body:

Angela Yao

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

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www.tuv.com

 **TÜVRheinland®**
Precisely Right.

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Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

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

With 1/2 cut of 210 mono c-Si cells:

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

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

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

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

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

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

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

AExxxCMD-144 (xxx=560-595, in steps of 5, 144 cells)

AExxxCMD-120 (xxx=470-495, in steps of 5, 120 cells)

AExxxCMD-108 (xxx=420-445, in steps of 5, 108 cells)

AExxxCMD-144E (xxx=560-595, in steps of 5, 144 cells)

AExxxCMD-120E (xxx=470-495, in steps of 5, 120 cells)

AExxxCMD-108E (xxx=420-445, in steps of 5, 108 cells)

With 156 mono c-Si cell:

AExxxMA-72 (xxx=370-385, in steps of 5, 72 cells)

AExxxMA-60 (xxx=310-320, in steps of 5, 60 cells)

AExxxMA-36 (xxx=185-195, in steps of 5, 36 cells)

AExxxMA-72E (xxx=370-385, in steps of 5, 72 cells)

AExxxMA-60E (xxx=310-320, in steps of 5, 60 cells)

AExxxMA-36E (xxx=185-195, in steps of 5, 36 cells)

AExxxMA-72BS (xxx=370-385, in steps of 5, 72 cells)

AExxxMA-60BS (xxx=310-320, in steps of 5, 60 cells)

AExxxMA-36BS (xxx=185-195, in steps of 5, 36 cells)

With 158 mono c-Si cell:

AExxxMB-72 (xxx=385-400, in steps of 5, 72 cells)

AExxxMB-60 (xxx=320-335, in steps of 5, 60 cells)

AExxxMB-36 (xxx=185-200, in steps of 5, 36 cells)

AExxxMB-72E (xxx=385-400, in steps of 5, 72 cells)

AExxxMB-60E (xxx=320-335, in steps of 5, 60 cells)

AExxxMB-36E (xxx=185-200, in steps of 5, 36 cells)

AExxxMB-72BS (xxx=385-400, in steps of 5, 72 cells)

AExxxMB-60BS (xxx=320-335, in steps of 5, 60 cells)

AExxxMB-36BS (xxx=185-200, in steps of 5, 36 cells)

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

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

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

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

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

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

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

With 158 mono c-Si cell:

AExxxSMB-72 (xxx=385-400, in steps of 5, 72 cells)

AExxxSMB-60 (xxx=320-335, in steps of 5, 60 cells)

AExxxSMB-36 (xxx=185-200, in steps of 5, 36 cells)

AExxxSMB-72E (xxx=385-400, in steps of 5, 72 cells)

AExxxSMB-60E (xxx=320-335, in steps of 5, 60 cells)



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AExxxSMB-36E (xxx=185-200, in steps of 5, 36 cells)
 AExxxSMB-72BS (xxx=385-400, in steps of 5, 72 cells)
 AExxxSMB-60BS (xxx=320-335, in steps of 5, 60 cells)
 AExxxSMB-36BS (xxx=185-200, in steps of 5, 36 cells)
 With ½ cut of 210 mono c-Si cell:
 AExxxME-132 (xxx=640-670, in steps of 5, 132 cells)
 AExxxME-120 (xxx=580-610, in steps of 5, 120 cells)
 AExxxME-110 (xxx=535-555, in steps of 5, 110 cells)
 AExxxME-132E (xxx=640-670, in steps of 5, 132 cells)
 AExxxME-120E (xxx=580-610, in steps of 5, 120 cells)
 AExxxME-110E (xxx=535-555, in steps of 5, 110 cells)
 AExxxME-132BS (xxx=640-670, in steps of 5, 132 cells)
 AExxxME-120BS (xxx=580-610, in steps of 5, 120 cells)
 AExxxME-110BS (xxx=535-555, in steps of 5, 110 cells)
 With ½ cut of 210 mono c-Si cell:
 AExxxME-T150 (xxx=480-520, in steps of 5, 150 cells)
 AExxxME-T120 (xxx=385-415, in steps of 5, 120 cells)
 AExxxME-T150E (xxx=480-520, in steps of 5, 150 cells)
 AExxxME-T120E (xxx=385-415, in steps of 5, 120 cells)
 AExxxME-T150BS (xxx=480-520, in steps of 5, 150 cells)
 AExxxME-T120BS (xxx=385-415, in steps of 5, 120 cells)
 With ½ cut of 182 mono c-Si cell:
 AExxxMD-156 (xxx=565-600, in steps of 5, 156 cells)
 AExxxMD-144 (xxx=520-555, in steps of 5, 144 cells)
 AExxxMD-132 (xxx=480-505, in steps of 5, 132 cells)
 AExxxMD-120 (xxx=435-460, in steps of 5, 120 cells)
 AExxxMD-108 (xxx=390-415, in steps of 5, 108 cells)
 AExxxMD-96 (xxx=350-370, in steps of 5, 96 cells)
 AExxxMD-72 (xxx=260-275, in steps of 5, 72 cells)
 AExxxMD-156E (xxx=565-600, in steps of 5, 156 cells)
 AExxxMD-144E (xxx=520-555, in steps of 5, 144 cells)
 AExxxMD-132E (xxx=480-505, in steps of 5, 132 cells)
 AExxxMD-120E (xxx=435-460, in steps of 5, 120 cells)
 AExxxMD-108E (xxx=390-415, in steps of 5, 108 cells)
 AExxxMD-96E (xxx=350-370, in steps of 5, 96 cells)
 AExxxMD-72E (xxx=260-275, in steps of 5, 72 cells)
 AExxxMD-156BS (xxx=565-600, in steps of 5, 156 cells)
 AExxxMD-144BS (xxx=520-555, in steps of 5, 144 cells)
 AExxxMD-132BS (xxx=480-505, in steps of 5, 132 cells)
 AExxxMD-120BS (xxx=435-460, in steps of 5, 120 cells)
 AExxxMD-108BS (xxx=390-415, in steps of 5, 108 cells)
 AExxxMD-96BS (xxx=350-370, in steps of 5, 96 cells)
 AExxxMD-72BS (xxx=260-275, in steps of 5, 72 cells)
 With ½ cut of 166 mono c-Si cell:
 AExxxMC-144 (xxx=420-460, in steps of 5, 144 cells)
 AExxxMC-132 (xxx=385-420, in steps of 5, 132 cells)
 AExxxMC-120 (xxx=350-385, in steps of 5, 120 cells)
 AExxxMC-108 (xxx=315-345, in steps of 5, 108 cells)
 AExxxMC-96 (xxx=280-305, in steps of 5, 96 cells)



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Modell *Type:*

Bezeichnung *Designation:*

AExxxMC-72 (xxx=210-230, in steps of 5, 72 cells)
 AExxxMC-144E (xxx=420-460, in steps of 5, 144 cells)
 AExxxMC-132E (xxx=385-420, in steps of 5, 132 cells)
 AExxxMC-120E (xxx=350-385, in steps of 5, 120 cells)
 AExxxMC-108E (xxx=315-345, in steps of 5, 108 cells)
 AExxxMC-96E (xxx=280-305, in steps of 5, 96 cells)
 AExxxMC-72E (xxx=210-230, in steps of 5, 72 cells)
 AExxxMC-144BS (xxx=420-460, in steps of 5, 144 cells)
 AExxxMC-132BS (xxx=385-420, in steps of 5, 132 cells)
 AExxxMC-120BS (xxx=350-385, in steps of 5, 120 cells)
 AExxxMC-108BS (xxx=315-345, in steps of 5, 108 cells)
 AExxxMC-96BS (xxx=280-305, in steps of 5, 96 cells)
 AExxxMC-72BS (xxx=210-230, in steps of 5, 72 cells)
 xxx represents output power in Wp

Remarks:

- Valid in conjunction with TÜV Rheinland certificate PV 50536079 0001-0010 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.

