

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
PV 50559937

Blatt *Sheet*  
0001

Ihr Zeichen *Client Reference*  
F.C.

Unser Zeichen *Our Reference*  
01-GJJ-CN22BE2G 001

Ausstellungsdatum *Date of Issue*  
29.09.2022 (day/mo/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*  
2 P fG 2387/01.18

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-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 ⅓ cut of 210 mono c-Si cell:

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-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)

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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](mailto:markcheck@tuv.com)  
Fax: +49 221 806-3935

Zertifizierungsstelle



Dipl.-Ing. Matthias Grzam

# Zertifikat

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## Prüfzeichen *Test Mark*



PID Resistance  
Regular  
Production  
Surveillance

www.tuv.com  
ID 1111259805

Geprüft nach *Tested acc. to*  
2 P fG 2387/01.18

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## PV Module

Continuation of Page 0001

With ½ cut of 166 mono c-Si cell:

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)

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)

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)

With ½ cut of 182 mono c-Si cell:

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

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<http://www.tuv.com/safety> E-mail: [markcheck@tuv.com](mailto:markcheck@tuv.com)

Fax: +49 221 806-3935



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## Prüfzeichen *Test Mark*



PID Resistance  
Regular  
Production  
Surveillance

www.tuv.com  
ID 111125805

Geprüft nach *Tested acc. to*  
2 PfG 2387/01.18

Zertifiziertes Produkt (Geräteidentifikation)  
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## PV Module

Continuation of Page 0002

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)

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

Continued on Page 0004

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## PV Module

Continuation of Page 0003

### Remarks:

Test condition also fulfill the specification listed in IEC TS 62804-1:2015.  
Valid in conjunction with TÜV Rheinland certificate PV 50536079 Page 1 - 6. Only for the material combination as listed in the above mentioned test report.

### 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 20 March 2027.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.  
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.  
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