Zertifikat *Certificate*

Zertifikatsnummer *Certificate No.:*
PV 50643551 0001

Berichtsnummer *Report No.:*
CN24UYKF 001

Genehmigungsinhaber *License Holder:*
AE SOLAR GmbH
Messerschmittring 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:*

TÜVRheinland CERTIFIED
IEC 61701
Salt Mist
Resistance
Regular Production
Surveillance
www.tuv.com
ID 1111289641

Geprüft nach *Tested according to:*
IEC 61701:2020
EN IEC 61701:2020

Geräteidentifikation
Product Identification

Produkt: *Product:* PV Module

Modell: *Type:* Modelle sind auf nächste(r) Seite(n) gelistet
Type designation(s) are listed on the next page(s)

Technische Daten: *Technical Data:*
Class II acc. to IEC 61140
For other ratings, refer to the test report.

Gültig bis: *Date of expiry:* 2027-07-31

Gültig ab: *Valid from:* 2024-08-16

Ausstellungsdatum: *Date of issue:* 2024-08-16

Zertifizierungsstelle: *Certification body:*

Angela Yao

TÜV Rheinland LGA Products GmbH
TÜVRheinland
Zertifizierungsstelle

® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

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

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Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

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)
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 ⅓ 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)
AExxxME-T150BDE (xxx=480-520, in steps of 5, 150 cells)
AExxxME-T120BDE (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)
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 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)
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 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)
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-144BDS (xxx=555-595, in steps of 5, 144 cells)

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Produkt *Product:* PV Module

Modell *Type:*

Bezeichnung *Designation:*

AExxxCMD-120BDS (xxx=460-495, in steps of 5, 120 cells)
AExxxCMD-108BDS (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=615,620,625,630,635,639,643,647,650, 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 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, 120 cells)
AExxxCME-132BDE (xxx=660-680, in steps of 5, 132 cells)
AExxxCME-120BDE (xxx=600-620, in steps of 5, 120 cells)
AExxxCME-110BDE (xxx=550-570, in steps of 5, 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 50552776 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.

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