

Certificate



Registration No.: PV 60095705

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Report No.: 21219041.001

License Holder:

Alfa Solar Enerji İnşaat Sanayi ve Ticaret A.Ş.

Kirikkale 1. OSB Kizilirmak
CAD. 2. SK. No: 13
Yahşihan/Kirikkale
Turkey

Product:

PV Modules

with 6" poly cells:

ASE72Pxxx (258 – 315 in steps of 1 with 72 cells)
ASE60Pxxx (215 – 263 in steps of 1 with 60 cells)
ASE54Pxxx (193 – 236 in steps of 1 with 54 cells)
ASE48Pxxx (172 – 210 in steps of 1 with 48 cells)
ASE36Pxxx (128 – 157 in steps of 1 with 36 cells)

xxx represent output power in Wp

Manufacturing Plant:

Alfa Solar Enerji İnşaat Sanayi ve Ticaret A.Ş.
Kirikkale 1. OSB Kizilirmak
CAD. 2. SK. No: 13
Yahşihan/Kirikkale
Turkey

Basis:



**IEC 61215:2005
EN 61215:2005**

"Crystalline silicon terrestrial
photovoltaic (PV) modules – Design
qualification and type approval"



Factory Inspection

To document the consistent quality
of the product factory inspections are
performed periodically.



www.tuv.com
ID 0000042918

Remarks:

- Valid in conjunction with TÜV Rheinland certificate based on IEC EN 61730.
- The mechanical load test of EN IEC 61215:2005 was performed with a load of **5400 Pa**.

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 4 August 2019.

Certification body



Cologne, 5 August 2014

Dipl.-Ing. M. Adrian

Certificate



Registration No.: PV 60095706

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Report No.: 21219042.002

License Holder:

Alfa Solar Enerji İnşaat Sanayi ve Ticaret A.Ş.

Kirikkale 1. OSB Kizilirmak

CAD. 2. SK. No: 13

Yahşihan/Kirikkale

Turkey

Manufacturing Plant:

Alfa Solar Enerji İnşaat Sanayi ve Ticaret A.Ş.

Kirikkale 1. OSB Kizilirmak

CAD. 2. SK. No: 13

Yahşihan/Kirikkale

Turkey

Product:

PV Modules

with 6" poly cells:

ASE72Pxxx (258 – 315 in steps of 1 with 72 cells)

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ASE36Pxxx (128 – 157 in steps of 1 with 36 cells)

xxx represent output power in Wp

Basis:



IEC 61730-1:2004

IEC 61730-2:2004

EN 61730-1:2007

EN 61730-2:2007

"Photovoltaic (PV) module safety qualification"



Factory Inspection

To document the consistent quality of the product factory inspections are performed periodically.



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ID 0000042420

Remarks:

- Valid in conjunction with TÜV Rheinland certificate based on IEC EN 61215.
- The above listed PV modules fulfil the requirements of Application **Class A** (Class II acc. to IEC 61140). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The mechanical load test of EN IEC 61215:2005 was performed with a load of **5400 Pa**.
- The above listed PV modules fulfil the requirements of **fire rating class C**.

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 4 August 2019.

Certification body



Dipl.-Ing. M. Adrian

Cologne, 22 January 2015