

Certificate



Registration No.: PV 60092718

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Report No.: 21211402.002

License Holder:

Astronergy Solarmodule GmbH

Chint-Allee 8
15236 Frankfurt (Oder)
Germany

Manufacturing Plant:

Astronergy Solarmodule GmbH
Chint-Allee 8
15236 Frankfurt (Oder)
Germany

Product:

PV Modules

Type:

with 6" poly cells

ASM6610P xxx

(60 cell module with xxx = 200 - 280 in steps of 5)

ASM6610PL xxx

(60 cell laminate with xxx = 200 - 280 in steps of 5)

ASM668P xxx

(48 cell module with xxx = 170 - 215 in steps of 5)

ASM668PL xxx

(48 cell laminate with xxx = 170 - 215 in steps of 5)

with 6" mono cells

ASM6610M xxx

(60 cell module with xxx = 200 - 285 in steps of 5)

ASM668M xxx

(48 cell module with xxx = 170 - 220 in steps of 5)

ASM668ML xxx

(48 cell laminate with xxx = 170 - 220 in steps of 5)

xxx represent output power in Wp

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.



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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**, and for module types ASM6610P, ASM6610M, ASM668P and ASM668M with a load of **6000 Pa**.
- This certificate replaces certificate PV 60091534 and PV 60092673.

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 13 February 2018.

Cologne, 12 March 2014



Dipl.-Ing. M. Adrian