

# Certificate

Registration No.: PV 60023364

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Report No.: 21208700-2

**License Holder:**

Evergreen Solar, Inc.  
138 Bartlett Street  
Marlboro, MA 01752-3016  
USA

**Manufacturing Plant:**

Evergreen Solar  
259 Cedar Hill Street  
Marlboro, MA 01752  
USA

**Product:**

PV Modules

**Type:**

ES-A-190-fa1, ES-A-195-fa1, ES-A-200-fa1,  
ES-A-205-fa1, ES-A-210-fa1,  
ES-A-215-fa1, ES-A-220-fa1  
ES-A-190-fa2, ES-A-195-fa2, ES-A-200-fa2,  
ES-A-205-fa2, ES-A-210-fa2,  
ES-A-215-fa2, ES-A-220-fa2  
ES-B-170-fa1, ES-B-180-fa1, ES-B-190-fa1,  
ES-B-195-fa1, ES-B-200-fa1  
ES-B-170-fa2, ES-B-180-fa2, ES-B-190-fa2,  
ES-B-195-fa2, ES-B-200-fa2  
ES-B-170-fb1, ES-B-180-fb1, ES-B-190-fb1,  
ES-B-195-fb1, ES-B-200-fb1

**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.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

**Remarks:**

- IEC EN 61730 consists of part 1 ( Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II ). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.

The details of the factory inspection are noted in report no.: 21207730.

**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 21 November 2013.**

Cologne, 21 November 2008



Dipl.-Ing. M. Adrian

# Certificate

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PV Modules

**Type:**

ES-A-190-fa1, ES-A-195-fa1, ES-A-200-fa1,  
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ES-A-215-fa1, ES-A-220-fa1  
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ES-A-205-fa2, ES-A-210-fa2,  
ES-A-215-fa2, ES-A-220-fa2  
ES-B-170-fa1, ES-B-180-fa1, ES-B-190-fa1,  
ES-B-195-fa1, ES-B-200-fa1  
ES-B-170-fa2, ES-B-180-fa2, ES-B-190-fa2,  
ES-B-195-fa2, ES-B-200-fa2  
ES-B-170-fb1, ES-B-180-fb1, ES-B-190-fb1,  
ES-B-195-fb1, ES-B-200-fb1

**Manufacturing Plant:**

EverQ GmbH  
Sonnenallee 14-24  
06766 Thalheim  
Germany

**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.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

**Remarks:**

- IEC EN 61730 consists of part 1 ( Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II ). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.

The details of the factory inspection are noted in report no.: 21207731.

**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 21 November 2013.**



Cologne, 21 November 2008

Dipl.-Ing. M. Adrian