

# Certificate

Registration No.: PV 60080388

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Report No.: 21208006-2

**License Holder:**  
**LORENTZ GmbH**  
Kroegerkoppel 7  
24558 Henstedt-Ulzburg  
Germany

**Product:**  
PV Module  
**Type:**  
with 36 cells 5" mono c-Si:  
LC75-12M, LC80-12M, LC85-12M, LC90-12M  
with 72 cells 5" mono c-Si:  
LC160-24M, LC165-24M, LC170-24M  
LC175-24M, LC180-24M, LC185-24M

**Manufacturing Plant:**  
0001--21143424 001

**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.

**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 22 April 2014.**

Cologne, 19 November 2012



Dipl.-Ing. M. Adrian