

# Certificate

Registration No.: PV 60037136

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Report No.: 21156447.001

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

**Manufacturing Plant:**  
0001--21156447 001

**Product:**  
PV Modules  
**Types:**

LC230-P, LC220-P, LC215-P  
LC210-P, LC200-P  
LC185-24P, LC180-P, LC175-P  
LC170-P, LC120-12P, LC80-12P  
LC50-12P  
LC185-24M, LC180-24M  
LC175-24M, LC170-24M  
LC165-24M, LC80-12M  
LC50-12M

**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 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 27 April 2012.**

Cologne, 14 January 2011



Dipl.-Ing. M. Adrian