

Certificate

Registration No.: PV 60080392

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Report No.: 21153223.001

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

Product:
PV Module
Type:
with 6" poly c-Si cells:
LC120-12P
(power range 110-140 in steps of 10, 36 cells, 6*6)
LC180-24P
(power range 150-190 in steps of 10, 48 cells, 6*8)
LC210-24P
(power range 200-240 in steps of 10, 60 cells, 6*10)

Manufacturing Plant:
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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 20 November 2014.

Cologne, 19 November 2012



Dipl.-Ing. M. Adrian