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**Declaration
- 21220326a -**

Modul typ: Prototype A

- **Glass:** Centro Solar 1655x991x4 mm
- **Cells:** Indo Solar 3,5 W 2BB
- **Ribbons:** Brucker Spaleck 2,0x0,15 mm Ecu+ SnPbAg 62/36/2
- **Fixing Tapes:** Tesa 4129 auf Rolle a 66 m, Breite 19 mm
- **Backsheet:** DunSolar Dunmore PPE+ 0,36mm x 1000mm
- **EVA** CONSERV A 360 – 14 FC

Basis of testing: IEC 61215:2005 "Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval"

Test result:

| Test Series | Tested and Passed |
|-----------------------------------|-------------------|
| Damp Heat Test (10.13) 2250 hours | Prototype A |

For the assessment of the encapsulation material in the test modules initial and final control measurements were performed before and after the environmental stress test. The measurements included power measurement, insulation testing and visual inspections. The maximum permissible power degradation of 5 % was not exceeded. Furthermore the minimum insulation requirements as defined in IEC 61215:2005 were met. No major visual defects as defined in IEC 61215 section 7 were found.

Cologne, January 2013

Business Field Solar Energy

i.V.


Dipl.-Ing. J. Althaus

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Carbon Neutral Company

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