

TÜV Rheinland Immissionsschutz und Energiesysteme GmbH
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Sunways AG
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78647 Konstanz
Deutschland

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Web www.tuv.com
www.tuv-pv-cert.de
17.August 2009

Declaration
- 21211354 -

Customer: Sunways AG
Macairestr. 3-5
78647 Konstanz
Deutschland

Product: Schweizer Metallbau; Solrif
Module type: Sunways; SM 215 L

Basis of testing: IEC 61215:2005 "Crystalline silicon terrestrial photo-voltaic (PV) modules – Design qualification and type approval"
Test 10.16 mechanical load tests with 2400 Pa and 5400 Pa for heavy snow load.

Test result:

The mechanical load test 10.16 of the EN IEC 61215:2005 standards were passed according to its regulations of the pass criteria. It is therefore declared, that the mounting systems Solrif in combination with the photo-voltaic modules of the aforementioned type fulfil the requirements of the standard EN IEC 61215:2005.

Description:

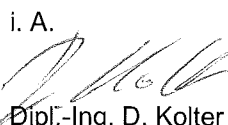
Solrif is an integrated PV-mounting system for sloped-roofs. The PV-modules will be installed with Solrif frame and five hooks (two at the boarder, three on the glass in the middle) on each long-side of the module. The PV-module and the hooks were installed according the manual instructions.

Cologne, 17.08.2009

Renewable Energies

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Dipl.-Ing. H. Becker

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Geschäftsführung
Dr.-Ing. Wolfgang Jockel

Amtsgericht Köln HRB 32190

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Declaration
- 21211354 -

Customer: Sunways AG
Macairestr. 3-5
78647 Konstanz
Deutschland

Product: Schletter mounting system for PV-laminates
Module type: Sunways; SM 215 L

Basis of testing: IEC 61215:2005 "Crystalline silicon terrestrial photo-voltaic (PV) modules – Design qualification and type approval"
Test 10.16 mechanical load tests with 2400 Pa.

Test result:

The mechanical load test 10.16 of the EN IEC 61215:2005 standards were passed according to its regulations of the pass criteria. It is therefore declared, that the Schletter mounting systems in combination with the photo-voltaic modules of the aforementioned type fulfil the requirements of the standard EN IEC 61215:2005.

Description:

Schletter is a PV-mounting system for sloped-roofs. The PV-modules will be installed with two clamps on each side with a distance of 800–1200 mm. The PV-module and the clamps were installed according the manual instructions.

Cologne, 17.08.2009

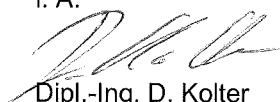
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