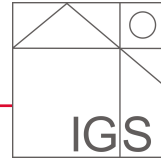




Technische
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Technische Universität Braunschweig | Institut für Gebäude- und Solartechnik (IGS)
Mühlenpfordtstraße 23 | 38106 Braunschweig | Deutschland

TU Braunschweig
**Institut für Gebäude- und Solar-
technik**

Premier Solar Technologies L.L.C.
Johannes Waimer
Dubai Investment Park
PO Box 282777
Dubai

Mühlenpfordtstraße 23
D-38106 Braunschweig

Univ. Prof. Dr.-Ing. M. Norbert Fisch

Tel. +49 (0) 531 391-3555
Fax +49 (0) 531 391-8125

igs@tu-braunschweig.de
www.igs.bau.tu-braunschweig.de

Pre- Certification

Solar Keymark - Tests according EN 12 976-2 and EN 12 975

Braunschweig, 1.10.2012

The Integrated Storage Collector (ISC) System was selected in Dubai at the production plant and delivered in August 2012 to our institute.

Technical data of the ISC- System:

Dimensions: 2.355 mm x 1.320 mm x 520 mm
Casing: corrosion-free fibre glass sandwich with PUR-foam
Front cover: hail-proof special glass
Storage tank: 250 litres
Reflector highly polished aluminium mirror

The Storage-Collector-System was tested previously at the Test Centre for Solar Water Systems, ITW, University Stuttgart. Under German test reference weather conditions (about 950 kWh/(m²a) global solar radiation) the yearly solar gain between 450 and 480 kWh/(m²a) was achieved. Under weather conditions of the UAE (about 1.800 kWh/(m²a) global solar radiation) a yearly solar gain of about 800 kWh/(m²a) for DHW-application could be expected.

The tests according EN 12 976-2 and EN 12 975 have started in September 2012 and will run till spring 2013. Till now we see no obstacle that all test will be passed and the ICS-System will be successful certified.

Yours sincerely

Univ. Prof. Dr. Ing. M. Norbert Fisch
Head of Institute

Labor:
Zimmerstraße 24b
Tel. +49 (0) 531 391-3635
Fax. +49 (0) 531 391-3636

TU Braunschweig
Norddeutsche Landesbank Hannover
Kontonummer 1 999 200
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