



## TÜV certifies CIGSe modules: Top performance with Linion F (Formerly SCG-HV-GEN2-F)



Together with the TÜV certification for the CIGSe modules, Solteature renames its modules. SCG-GEN2-HV-F are now carried under the product name LINION F. Solteature will disclose its complete new product architecture with the next newsletter.

TÜV Rheinland has officially confirmed that Solteature has reached worldwide peak results with its framed thin-film modules based on CIGSe semiconductors; certification is based on IEC 61646. Currently, the CIGSe modules Linion F, reach a peak efficiency of 13%. After just three months of continuous, twenty-four-hour per day shift operation, the facility has achieved a yield of over 80%. Solteature manufactures Linion F modules with a power spectrum of 75 to 90 watts.

**High power density, easy installation and aesthetically superior**

The framed CIGSe modules "Linion F" are especially well-suited for solar power system operators with demanding architectural requirements and high quality standards. The aluminum frame and the tempered, three-millimeter strong front glass make them especially robust and resilient up to 5,400 Pascal snow-load-bearing. During installation, workers benefit from the compact and easy-to-handle module footprint (0.8m<sup>2</sup>/14.6kg). A high admissible system voltage (1,000V) and one-meter-long connection cables allow for manifold interconnection options.

## ELEGANT SOLAR FAÇADE WITH SOLTEATURE'S FRAMED MODULES

Recently, Solteature's new distribution partner, IDEEFA GmbH&Co KG, installed the visually appealing framed modules onto their headquarters building.



IDEEFA specializes in the building integration of PV thin-film modules on facades and rooftops, as well as solar thermal power systems design and installation.



**BLACK, DURABLE, BRILLIANT**

## SOLTEATURE SPONSORS BOBBY CAR SOLAR CUP 2011

Even the youngest citizens are shaping the energy turnaround, and on Saturday, July 16th, their efforts were on display: twenty-two teams showed off their solar powered bobby cars to the public on the grounds of the Stadtwerke Bielefeld in an exciting race, a competitive trial of speed and skill. The Bobby Car Solar Cup 2011 was the climax to a four-month work phase in which the students took on the challenge of fitting a Solteature solar module, motor, and electric regulator to a bobby car, thus converting it into a racing vehicle. Nearly thirty companies and their engineers supported the children in the design and building of the solar racers.

Solteature helped sponsor the entrants by providing solar modules fixed in various versions to the bobby cars. For Solteature, there was no doubt about taking part in the exciting project: encouraging pupils to take an interest in solar energy and engineering and assisting them in pursuing positions in technical professions.

Visit [www.bobbycar-solar-cup.de](http://www.bobbycar-solar-cup.de) for more information.



Fotograf: Gerald Dunkel

## SOLTEATURE INSTALLS OFF-GRID SYSTEMS IN CAMEROON



As a sponsor of the Lelewal Woila Association, Solteature supplied clean energy to three boroughs in Cameroon by means of an island solar system. The installed roof systems supply solar electricity to two schools and around ten households, none of which had previously received electric power.

Surplus energy supplied by the system is stored in Bleigel batteries. After installation of the modules was completed, the local users and installers were trained and educated in the system's solar technology and its maintenance.

<http://lelewalwoila.org>

## SOLTEATURE AWARDED DWELL ON DESIGN AWARD FOR ENERGY

Among the many award-winning wares exhibited on the Dwell on Design 2011 show floor — the largest annual design event on the West Coast — eleven stood out for excellence in their respective categories. In the energy category, the award has been granted to Solteature's thin-film modules.

Read about the award at Dwell on Design: [www.dod.dwell.com](http://www.dod.dwell.com)



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**SUSTAINABILITY**

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