



25th EU PVSEC  
Feria Valencia  
6. - 9. September 2010  
Stand L2/H1/B2

## Press Release

### High-efficiency "19+" Sunways solar cell scaled from 5" to 6" standard size

**Konstanz, 10 August 2010** - Sunways AG (FWB: SWW; ISIN DE0007332207) has developed its high-efficiency silicon solar cell with screen-printing metallisation and an efficiency of more than 19% further from the 5" format to the 6" standard format.

In March this year a monocrystalline solar cell with screen-printing metallisation and more than 19% efficiency had already been successfully realised in the 5" format in cooperation with the Institut für Solarenergieforschung Hameln (ISFH). Sunways now also achieved this efficiency with a prototype in the customary 6" standard format. Through further development of solar cells with the well-established screen printing technology Sunways AG is able to transfer efficiency increases to standard products particularly quickly. With an efficiency for silicon solar cells of currently 19.1% Sunways is among the leading companies internationally.

The current enhancement of the monocrystalline solar cell focused on improving the efficiency of the rear of the cells, resulting in yield improvements in the long-wave range of the solar spectrum. This new innovation ensures that the solar spectrum (solar radiation) can be used even more effectively for power generation. The cell output can be increased by up to 5%.

Sunways Solar Modules with 60 cells and up to 250 Wp capacity are already available today. This is the result of

Contact:  
Michael Groll  
Head of Marketing  
michael.groll@sunways.de

Sunways AG Macairestraße 3-5 D-78467 Konstanz  
Telephone +49 7531 996770 Telefax +49 7531 9967710  
info@sunways.de www.sunways.de

Registered in the District Court Commercial Register  
Freiburg HRB 381661 Registered office: Konstanz  
Chairman of the Supervisory Board: Otto Mayer  
Management Board: Michael Wilhelm (Chairman), Roland  
Burkhardt, Jörg von Strom, Jürgen Frei

# *Sunways*

## Photovoltaic Technology

sustained development work that starts with the solar cell. "With these development steps we ensure that we can continue to expand our leading role in this segment with more effective and efficient PV solutions and strengthen our reputation as an innovative company", said Jürgen Frei, Chief Sales & Marketing Officer at Sunways AG.

### Contact

Michael Groll  
Marketing Manager  
Tel +49 7531 996 77-478  
Fax +49 7531 996 77-444  
[michael.groll@sunways.de](mailto:michael.groll@sunways.de)

This press release is also available from  
[www.sunways.eu](http://www.sunways.eu)

### About Sunways

Sunways is committed to the consistent utilisation of solar energy with the aim of safeguarding the world's energy supply economically and sustainably in the long term. Sunways offers technological competence, performance and top quality – from individual products to complete solar systems.

Since the company was established in 1993, Sunways has developed into an international technology leader in the photovoltaic industry. With silicon-based solar cells, inverters, solar modules and solar systems the company offers all the components required for operating a PV system and achieving good yields. With customised solutions (transparent and coloured solar cells, building-integrated PV) Sunways realises unique ideas.

Sunways AG incorporates Sunways Production GmbH in Arnstadt and branch offices in Barcelona (Spain) and Bologna (Italy). In 2009 the group achieved a turnover of approx. 180 million euros with around 320 staff. Sunways AG shares are traded at the Frankfurt Stock Exchange (SWW, ISIN DE0007332207).

For further information see [www.sunways.eu](http://www.sunways.eu).

Sunways AG Macairestraße 3-5 D-78467 Konstanz  
Telephone +49 7531 996770 Telefax +49 7531 9967710  
[info@sunways.de](mailto:info@sunways.de) [www.sunways.de](http://www.sunways.de)

Registered in the District Court Commercial Register  
Freiburg HRB 381661 Registered office: Konstanz  
Chairman of the Supervisory Board: Otto Mayer  
Management Board: Michael Wilhelm (Chairman), Roland  
Burkhardt, Jörg von Strom, Jürgen Frei