



solarion

MOVING PHOTOVOLTAICS

Volkswagen concept car E-Up! with solar roof (© Volkswagen AG)

Flexible solar-foil from Solarion

Press Release

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Solarion powers Volkswagen E-Up! with solar energy

Solarion AG, based in Leipzig (Germany), is involved in the development of the electric automobile E-Up! which was presented as a world premiere by the CEO of Volkswagen AG Martin Winterkorn at the 63rd Internationale Automobil-Ausstellung (IAA), currently taking place in Frankfurt (Germany).

The roof of the concept car E-Up! with an area of about 1.4 square meters is designed as a curved solar panel and is equipped with thin-film solar cells from Solarion AG. The new, highly flexible, ultra-lightweight and unbreakable solar cells from Solarion can be manufactured very cost effective and due to their unique properties, enable totally new automotive designs. The solar module is feeding the car's electrical system providing power to charge the battery and for the vehicle's ventilation to cool the interior while parking. „We are proud that our innovative product can make an important contribution to the electro-mobility, thereby reducing the production of carbon dioxide,“ says Solarion CEO Karsten Otte.

Solarion, specialized in technology development of thin-film solar applications in the field of building integration, is extending its product portfolio towards the automotive sector with this collaboration.

About Solarion

The company Solarion is developing, producing and offering high-efficient and low-cost thin-film solar modules using Copper-Indium-Gallium-Diselenide (CIGS).

Solarion's technology is based on a proprietary ion-beam assisted deposition of the CIGS absorber in a roll-to-roll process. The advantages of this technology are its low deposition temperature, improved solar cell efficiency, higher process speed as well as the lower energy and material costs. The utilization of a flexible carrier enables new fields of photovoltaic applications. Solarion was founded in 2000 and has established the first European pilot-line for the manufacturing of flexible and highly efficient CIGS thin-film cells on a flexible carrier material in 2002. Mass-manufacturing of CIGS based modules is planned for the year 2010.

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