

What is Heliotech solar film?

About Heliotech's organic solar film technology: The key to Heliotech's success is the family of small organic molecules - oligomers - developed and synthesized at its own laboratory in Ulm, Germany. Heliotech is the only company in the world that uses the deposition of small organic molecules in a low temperature, roll-to-roll vacuum process.

What is heliasol solar?

Revolutionary solar! HeliaSol is globally the only commercially available and IEC certified organic solar solution. Invented, developed, and manufactured by German engineering excellence, the solar films (not panels!), are light-weight, bendable, and truly sustainable.

When will Heliotech Solar Films be commercialized?

The commercialization of first partner applications with integrated Heliotech Solar Films as energy harvesting components is expected in late 2013. In parallel, Heliotech has launched a financing round to raise EUR60 million from current and new investors for a new roll-to-roll volume production line to draw on economies of scale.

Is Heliotech a green product?

This is a truly green product", says Jan Birnstock, CTO of Heliotech. Heliotech is currently installing its large-scale production line for their unique OPV solar films. The line is in the ramp-up phase and will produce organic solar films with an annual capacity of up to 1 million m²; from mid-2020.

What makes Heliotech solar cells unique?

Heliotech is the only company in the world that uses the deposition of small organic molecules in a low temperature, roll-to-roll vacuum process. Its organic solar cells are made of nanometers-thin layers of high purity and uniformity.

What is Heliotech & heliasol TM?

Heliotech stands for energy solutions designed for various traditional and never been possible before applications based on its unique features - ultra-light, flexible and truly green. HeliaSolTM is a ready-to-use solution, ideal for retrofitting on existing building structures.

The sun-facing walls of one of the buildings at SAMSUNG Advanced Institute of Technology have been fitted with ~40kWp of HeliaSol solar films. 08.08.23 The world's most powerful organic PV (OPV) installation has recently been completed by Heliotech partner PETA Engineering at the SAMSUNG Advanced Institute of Technology in Suwon, South Korea.

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Heliatek GmbH, the leader in organic solar films, today announced a record breaking 12.0% cell efficiency for its organic solar cells. This world record, established in cooperation with the University of Ulm and TU Dresden, was ...

HeliaSol transforms buildings into clean solar power plants for green electricity generation. This ready-to-use solution can be used on various building surfaces. The solar film has an integrated backside adhesive, which means that it can ...

Heliatek has developed industrial-grade organic solar films for virtually any surface of any building, thereby delivering energy solutions that make a significant contribution to avoid greenhouse gas emissions.

HeliaSol transforms buildings into clean solar power plants for green electricity generation. This ready-to-use solution can be used on various building surfaces. The solar film has an integrated backside adhesive, which means that it can be easily glued on the surface and can be connected and used immediately due to the integrated connection ...

Organic photovoltaics unlock new possibilities for building owners, building management companies and solar installers to enable an acceleration of the transformation to net-zero energy buildings and carbon neutral economies. ...

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Solivus®; has filed patents for designs using this innovative, solar fabric from Heliatek through working with Red Dot award-winning engineers, Cambridge Design Partnership. The result - a game-changing solar OPV fabric which is the next generation of sustainable products.

Organic photovoltaics unlock new possibilities for building owners, building management companies and solar installers to enable an acceleration of the transformation to net-zero energy buildings and carbon neutral economies. Unlike most inorganic technologies, Heliatek's OPV is not limited by the basic properties of the semiconductor material.

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