



SUNOVATION
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The creative way to use solar energy



Handed out by (Stamp of specialised agent):



Every Boat is Different Customer-Specific Applications



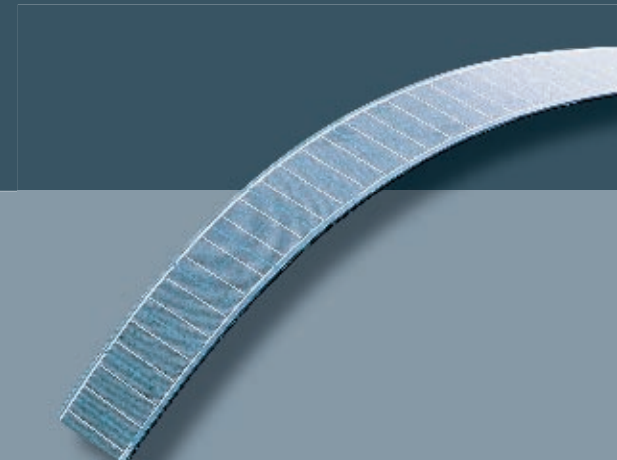
Customer-Specific Applications by SUNOVATION

Solar modules by SUNOVATION are an ideal solution for an autarkic electricity supply on board. With the power of the sun you use an ecological, cost-free energy source.

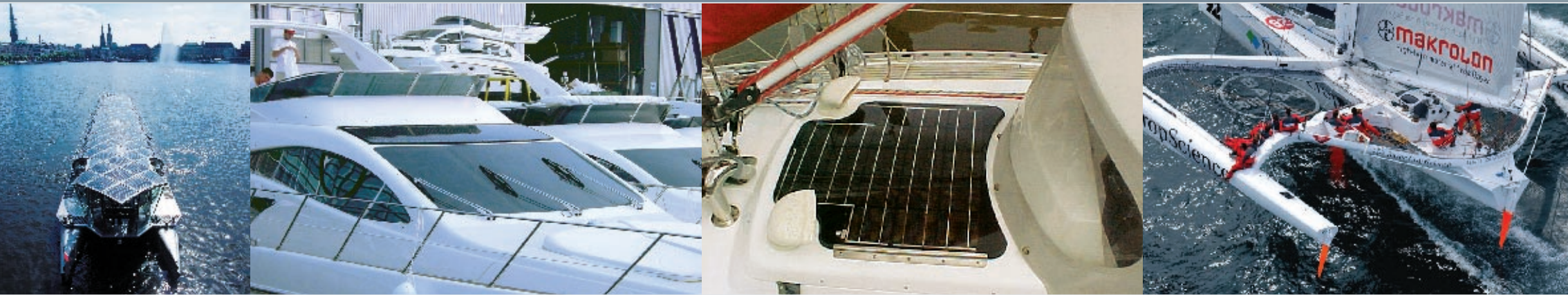
This technology is unique in the world! It facilitates to sandwich powerful crystalline solar cells between two flexible plastic sheets in a permanently elastic manner. On the basis of this technique, solar modules may be created and designed according to your wishes. Exceptional beauty, unsurpassed quality and performance are typical characteristics of the solar modules.

Solar modules are produced according to your wishes.
For further information on the individual SUNOVATION solar modules please visit www.sunovation.de

Use solar energy in its most beautiful form.
Adapted to the design of your boat and designed to your personal ideas.



Customer-Specific Applications by SUNOVATION – The creative way to use solar energy:



Classical solar modules have numerous disadvantages:

- the design of the boat is spoiled
- you need additional space
- unsecured cables are dangerous trip wires
- risk of theft
- strong decrease in power output if the cells are in the shade
- glass modules are breakable

Customer-Specific Applications by SUNOVATION: Individual Design...

With the SUNOVATION solar modules, energy generation on board gets a completely new dimension, since the modules and the connections can be integrated into the existing boat equipment. The individual colours and shapes allow a perfect adaptation of the module to the boat design according to your wishes.

SUNOVATION has specialised on the production of maritime applications. A solar canopy by SUNOVATION combines benefit, convenience and design. The transparency of the efficient SUNOVATION solar modules creates a fascinating space of light and shade. A solar design that is convincing in aesthetical and technical terms.

... and State-of-the-Art Technics

The technological highlights of the SUNOVATION solar systems are noticeable in a clear increase in energy output.

Maximum Power Point Tracking

Our systems are complemented and optimised by the latest Maximum Power Point control. Under consideration of various factors of influence, such as temperature, radiation and charge status of the battery, the optimal operating point is defined for the situation in question. Consequently, the output fed into the battery is increased up to 40% compared to what is possible under similar conditions with a shunt charge controller.

Indifference towards Shade

The solar cell strings in the module are decoupled by diodes so that they may work independently. A fragmented shading of the module does not lead to a complete shut-down, however, only to a reduction of the output.

We grant a two-year warranty for material and production defects, and a three-year output warranty (80%) for all our modules.