

First functional solar roof tile

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The MH solar roof tile in the form of a sample roof surface with fully functional prototypes.

Early this year, the company Paxos from Langenfeld in North Rhine-Westphalia was able to present its first functional prototypes of the solar roof tile MH.

The team has now further developed a first small series in close cooperation with the Technical University of Cologne. Initial tests of the prototypes have already confirmed the expected performance data and the next step is to have the product certified by TÜV.

The solar roof tile combines photovoltaics with solar thermal energy. The overlapping of the individual solar roof tiles creates an air channel. This simultaneously provides rear ventilation and thus cooling of the solar cells, which increases the efficiency of electricity generation and the service life of the cells.

At the Intersolar Europe trade fair in Munich, the MH solar roof tile was to be presented in the form of sample roof surfaces with fully functional prototypes. **For obvious reasons**, this will now have to be postponed until 2021. (mfo)

URL: <https://www.pveurope.eu/solar-modules/first-functional-solar-roof-tile>