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Since 2020, NTT-AT has collaborated with the venture company inQs to develop and promote transparent solar photovoltaic (PV) glass using nano-processed silicon dioxide technology.

This is a light-collecting photovoltaic glass that is based on the use of laminated glass. Photovoltaic cells are enclosed between the glass, which enables to create energy from the installed ...

The power generation glass is made using SQPV (SQ Photovoltaic) technology, which has a visible light transmittance of 75% and is capable of providing both heat insulation and power generation.

The see-through type was highly praised for both its power generation efficiency and its design, and was awarded the Good Design Award in 2021. It was also selected as a model project related to ...

But the new technology coming from Japan has an innovative feature: the solar panels are made with a translucent material and can therefore become real window glass, "solar" glass.

Turn windows into energy generators with SQPV glass: design, sustainability and efficiency in one. Japanese company inQs has presented its SQPV glass, a technological innovation ...

A standardized model is presented for evaluating the efficiency of spectral converters integrated into PV glass, systematically assessing spectral absorption and emission properties, ...

Thanks to its high-tech materials-encapsulating two "sheets" of solar panels between panes of conductive glass-this solar glass generates energy at an incredible rate. And with 75% ...

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