

ATE ENERGY

ITO

ELECTRICAL GLASS



The Future Solar Window

Product teaser: **Electrical glass**

Owner: **ATE Energy**

ATE Energy ApS

Nordvej 7-9

DK - 4200 Slagelse

Denmark

Info@ate-energy.dk

Phone: +45 7020 2230

GLASS IS GOING
TO POWER
THE
NEXT GENERATION

Clean **Inexpensive** - Solar energy
that is **highly versatile**

Solar energy
generating windows

ITO is a new technology that makes it possible to conduct electricity on ultra thin surfaces

With graphene it's possible for us to place layer upon layer to create different transparencies and electricity levels generated from the sun.

It's an extremely thin layer and can I theory be applied to any surface and is able to generate a moderate to high amount of power from the sun.

The only drawback is the visibility of the glass that it's applied to, but this can also be a positive thing, in all the cases you have a dim window, there is no reason not to get some energy from it.



Transparency Levels

Different levels of transparency
20% → 40% → 60% → 80%

Depending on needs of sunlight through the glass gives different amount of green energy and generates - From 40W to 160W per M²

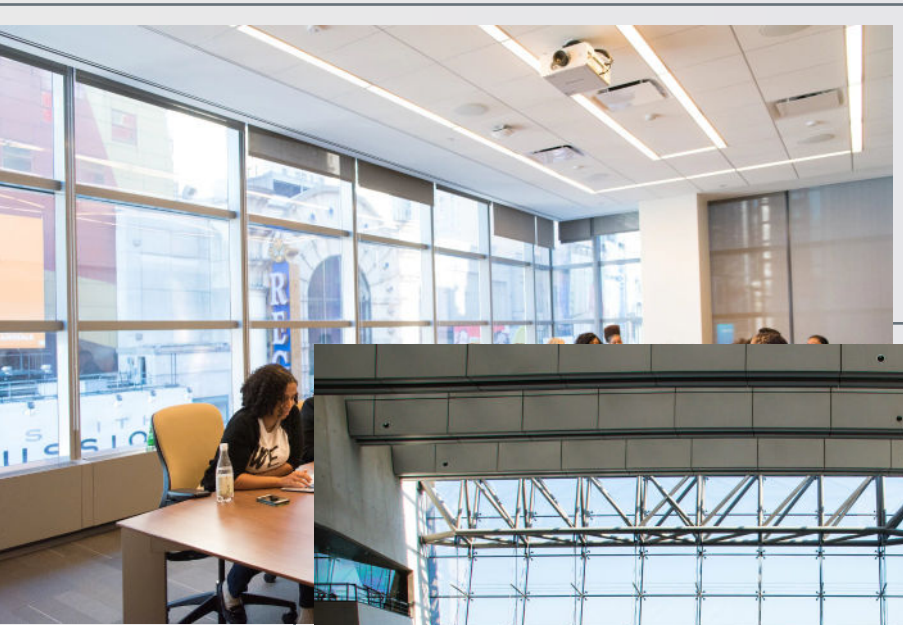
The use of the **ITO Electrical Glass** in a normal house will give you the option to run without being connected to the grid.

Use cases

There are many use cases like in a car as toned windows or one side of the glasshouse, and so on...

One place where we use a lot of sun blockers on windows and use a lot of energy, is in big offices, one side of an office building covers in our **ITO Electrical Glass** could easily cover half of the energy spend. A very typical payback time on investment would be 2 - 5 years.

With the focus on green energy and saving on the electricity bill, we believe this is a no-brainer to implement in almost every construction out there!



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