

Switchable. Photovoltaic. Window. Technology.

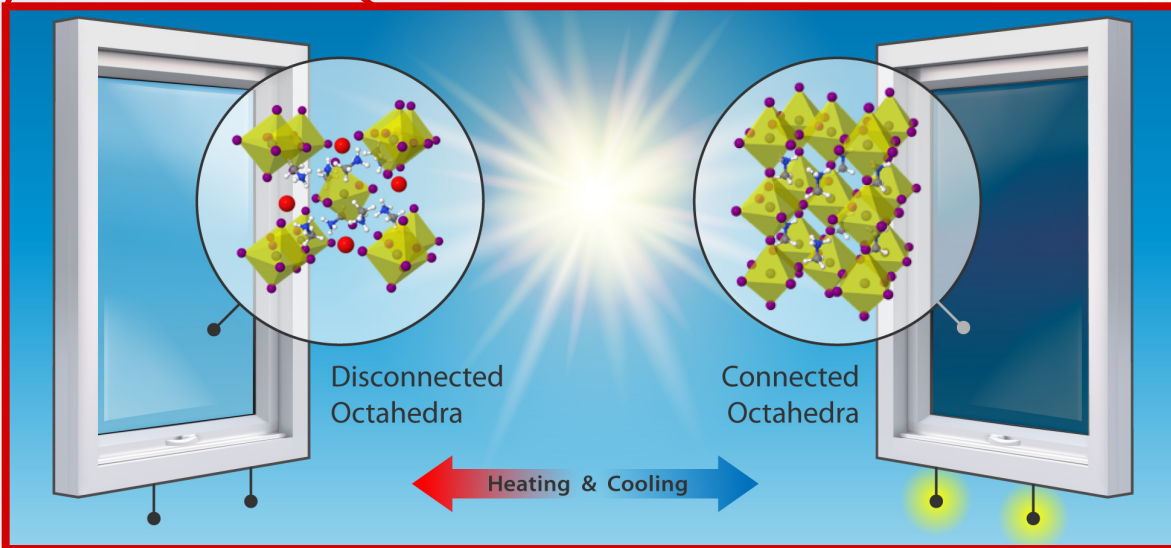
Perovskite-based photovoltaic windows that change from transparent (heating/lighting mode) to semi-transparent (energy generating mode) with environmental conditions

Generate electricity

Lab-scale 1" by 1" cell demonstrated with 5% power conversion efficiency

Reduces building electricity load

Produce clean electricity where it otherwise could not be sited



Manage heating, cooling, lighting

Reduce cooling demands on a building

Provide natural lighting and heating

~1/3 payback period vs high efficiency windows

Market opportunities

Beachhead: PV residential skylights

Future: spandrel, dynamic vision glass

Flat glass = \$265.8 billion market

Climate tunable—works anywhere

Turn windows into a net-energy-positive architectural feature