

# THE FUTURE OF PHOTOVOLTAICS

**Uni-Solar** ([www.unisolar.com](http://www.unisolar.com)), Auburn Hills, Mich., is a manufacturer of a **thin-film** amorphous silicon PV laminate that works in unison with **metal roof systems** and **flat roof membranes**. This newer thin laminate is lightweight and flexible. These attributes and this product's simple peel-and-stick application method combine for a relatively simple and fast installation. This, undeniably, is a "builder's dream"! This product is cost competitive (\$/watt) with the crystalline panels, much easier and faster to install, light weight, durable, low profile, and comes with a Florida-Dade County product approval rating of wind resistance to 140 mph! Only needing a flat, clean surface with a min. width of 16" per laminate, this product is a natural for **metal roofing** (preferred in Florida for its energy-saving high reflectivity and its



2.5 Kw Residential Uni-Solar system

hurricane resistant attributes). **Commercial buildings** with flat roofs (warehouses, offices, carports, strip malls, etc.) are also perfect candidates for Uni-Solar laminates. The size of any system is only limited by the amount of flat, unobstructed, available **membrane roofing**.



25 Kw Commercial Uni-Solar system

**Energy Independence** is now readily obtainable through modern technology and Federal tax credit incentives! The Federal tax credit incentive is equal to 30% of the installed system value with no cap!

## Thin Film Advantages

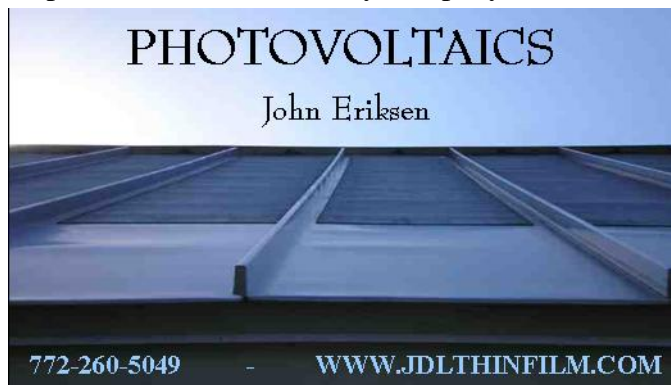
- \* Lightweight, flexible, durable
- \* Peel & stick application
- \* Low profile – 140 mph wind rating
- \* 25 year power output warranty
- \* Outperforms crystalline in hot climates
- \* Performs well in ambient light
- \* Generates over a longer period of the day
- \* Architecturally pleasing
- \* Ease of installation – no brackets
- \* Bypass diodes across every solar cell

## And the most important advantage of all – NO ROOF PENETRATIONS!

This marriage of photovoltaic laminate and roofing materials has created a new building industry definition and terminology.

### BIPV - Building Integrated Photovoltaics

Gradually, from this day on, just as gas mileage goals are mandated in the auto industry, every new building of the future will increasingly provide for their own individual energy requirements until the goal of "net-zero" energy dependence is reached! Not only will these buildings of the future have little or no utility bills, they will actually "sell" excess power back to their utility company!



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