

# **SOLAR** *Solutions*

***Providing the HOTTEST Alternative Energy Source  
combined with the COOLEST Metal Roof!***



**RIGID**  
**GLOBAL SOLAR**

[www.RigidBuilding.com](http://www.RigidBuilding.com)

# Rigid Global Solar - offering Building

## Cost Comparison

The importance of utilizing energy into Solar power is nothing new – what's new is the popularity of Solar partnering with Metal. It makes the most sense when you stop to think about it. Solar modules can last well over 30+ years, the roof it is on should do the same.

Metal Roofs from Rigid provide the perfect hosting platform for photovoltaics, producing an economically viable and environmentally friendly energy solution. Due to their longer service life, low maintenance costs, and energy efficiency, metal solar roofs are proving to be one of the most responsible and lucrative sustainable energy opportunities, accelerating both in demand and efficiency.

The initial mounting cost of PV on a conventional roof requires racking components, anchorage, waterproofing, racking assembly and labor ~ approximately \$9 per square foot\*. The initial mounting cost of PV on metal roofs includes seam clamps, panel clamps and labor ~ approximately \$2 per square foot\*.

Because the installed cost of PV on metal is so much less than on conventional materials, the total cost of a metal solar roof (with new construction) means that, for the first time, a new metal roof can legitimately claim to be less expensive than a conventional roof. Furthermore, Metal roof surfaces allow penetration-free attachment of PV systems and wire management, protecting the roof's integrity and warranties.

*\*Estimated cost - actual cost may vary.*

## Superior Appearance

While racking systems are a necessity of mounting PV systems on conventional rooftops, architects concerned with aesthetics are especially appreciative of the new direct attachment methods which are proving the racking to be an unnecessary expense. On metal roofs, thin film laminates and direct attached crystalline modules both allow the solar systems to respect the roof lines that the architect designed rather than detract from it.

**Crystalline Solar**



**PV Laminate Solar**



## The Real COST



*"The first thing building owners need to be aware of is that most roof-mounted PV systems can easily last up to 40 years, while the commercial [conventional] roofing systems they are attached to typically have life spans of between 10 and 13 years."*

Source: Great Expectations; Gary Kassem;  
Construction Specifier Oct 2010

# Solutions and Energy Saving Solutions.

## Sustainability

### Metal Roofing Sustainability

- Manufactured using recycled materials
- Metal roofs are 100% recyclable
- High energy efficiency - lower heating and cooling costs
- Impervious to UV degradation and weathering
- Qualify for LEED points
- Easily meets Energy Star® requirements

## Energy Efficiency

- Solar panels cast shade, lowering rooftop temperatures during daylight hours
- Reducing cooling costs
- Sun to shade difference = 56° F  
- 33% reduction in rooftop temperature.
- Air flowing between the solar panel and the roof
- Effectively cooling the roof

## Rigid's Green Initiative

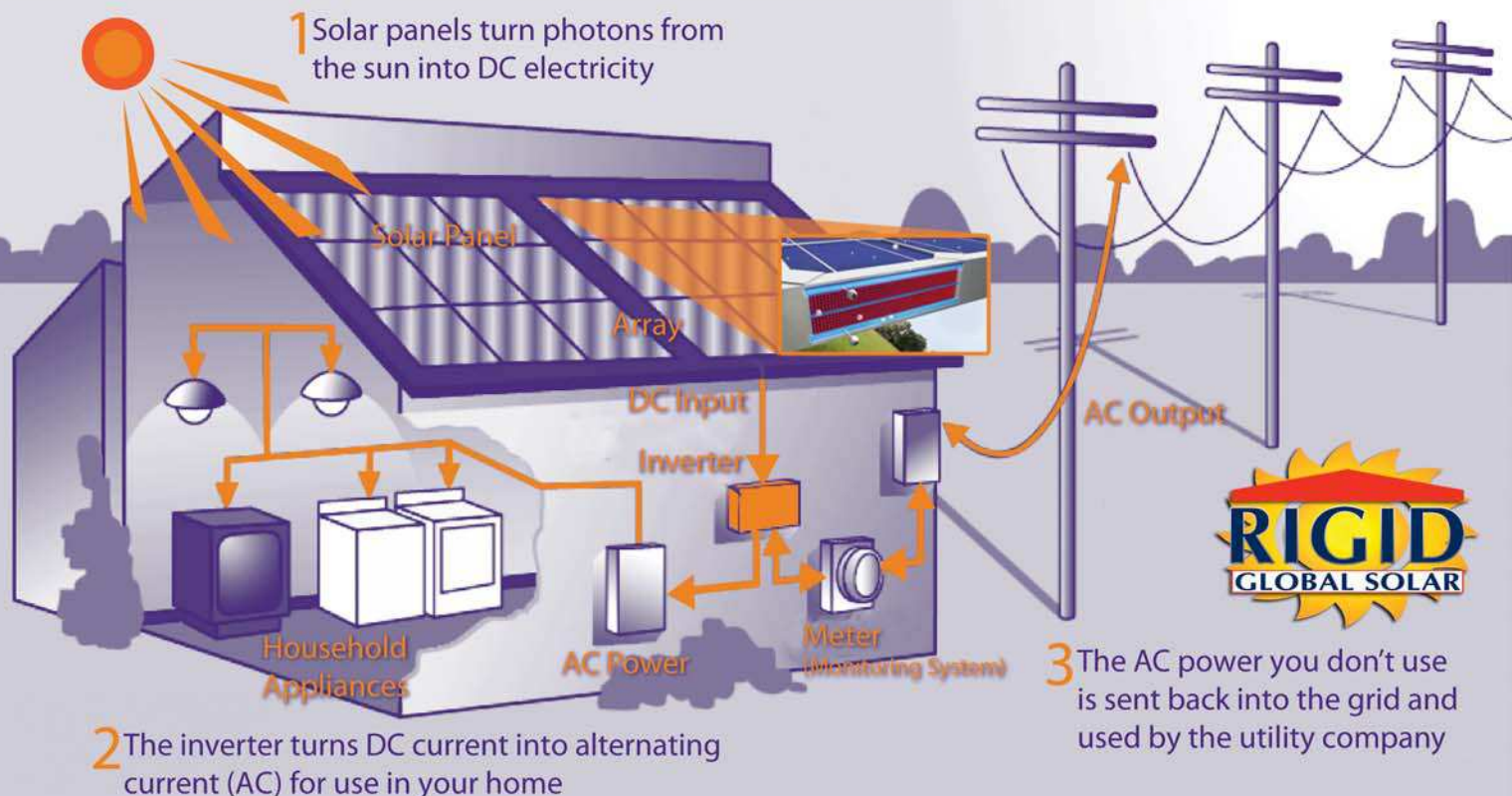
Rigid has committed to providing the highest quality of sustainable products available in the industry today which is why the decision to offer a renewable energy source in conjunction with our metal buildings and metal roofing was an easy one to make. To enhance our energy efficient offering, all of Rigid's color choices are Energy Star approved, have SRI values as high as 90, SR values as high as .74, and TE values as high as 0.87 (easily qualifying for California Title 24 Energy Building Code). In addition to offering Energy Efficient roofing, all of Rigid's products are made with recycled material and at the end of its natural life, metal roofs, and metal buildings can be recycled again to continue the life cycle of the natural product.

## Solar Packages: • MicroPower Kit (0.7 - 60 kWp) • PowerChoice (60 kWp - 1 MWp) • PowerPlus (250 kWp +)

The above packages provide everything necessary to begin collecting renewable energy. Custom packages are available. To learn more about the possibilities of solar contact your salesperson for details.

## HOW IT WORKS

To learn more about Solar contact Rigid today at 888-GO-RIGID.



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Ask how your Building can be ***SOLAR-Ready!***



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*Rigid Global Solar is a Division of Rigid Global Buildings*

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