



## FAQs

### How much electricity will my EnerGen system produce?

It depends upon your system size and local geographic and environmental conditions. CertainTeed offers a wide range of system sizes that can be customized to fit your needs. Your trained contractor can help design a system optimizing output.

### How much roof space is required for different system sizes?

EnerGen is available in a wide variety of system sizes in order to meet the needs of most homeowners. A good rule of thumb is approximately 5 watts per square foot or 1kW per 200 square feet. (For reference, 1kWh runs a 100 watt light bulb continuously for 10 hours.) A 3kW household system would require 600 square feet.

### How much will I save on my monthly utility bill?

This will depend primarily on the size of your EnerGen system, your usage, and the cost of electricity per kWh. As electricity rates increase, your savings should increase.

### Can I sell electricity generated, but not used, back to the utility company?

Yes, in most cases, however EnerGen is considered more of a supplement. A meter will measure the amount of electricity put back into the utility company's grid. In some cases, the utility company will pay a set rate payment to the homeowner (typically annually). Net metering laws vary from state to state, therefore consumers should verify their local utility's policies.

### What types of roofs can EnerGen be installed on?

The EnerGen system is designed to be incorporated into asphalt shingle roofs only. There is a minimum slope requirement of 4:12.

### Do I need approval from my homeowners' association?

If you belong to a homeowners' association, consult your covenants for details. Many states prohibit homeowners' associations from restricting solar devices, however you will want to verify your association's specific policies.



## Everyday, CertainTeed makes a commitment to sustainability.

CertainTeed Roofing recycles, reuses and re-envision our environment. Here are ways we put ideas into action with green as our goal.



### Recycling and the road to success.

We recycle nearly 90% of our manufacturing production waste into asphalt materials for road construction.



### Bring nature back.

Our Oxford facility, the world's largest roofing plant, has its own wetlands and a water management system where wildlife thrives.



### Use it (don't lose it).

We use recycled content including slag, stone granules, corrugated mixed paper and sludge, reducing landfill waste and carbon emissions.



### We believe in leading by example.

We belong to the U.S. Green Building Council and champion their Leadership in Energy and Environmental Design (LEED) Green Building Rating System™. And we also strongly support the National Green Building Standards™ of the National Association of Home Builders.



### Roofing in harmony with nature.

It's more than a good idea at CertainTeed. It's a constant call to innovation.

We believe nature had a good idea. We're committed to making it better.



### Reaching for the ENERGY STARS.

As a 2011 ENERGY STAR Sustained Excellence recipient for Energy Management, we are proud of our commitment to designing high quality, sustainable roofing products.

### ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS  
GYPSUM • CEILINGS • INSULATION • PIPE

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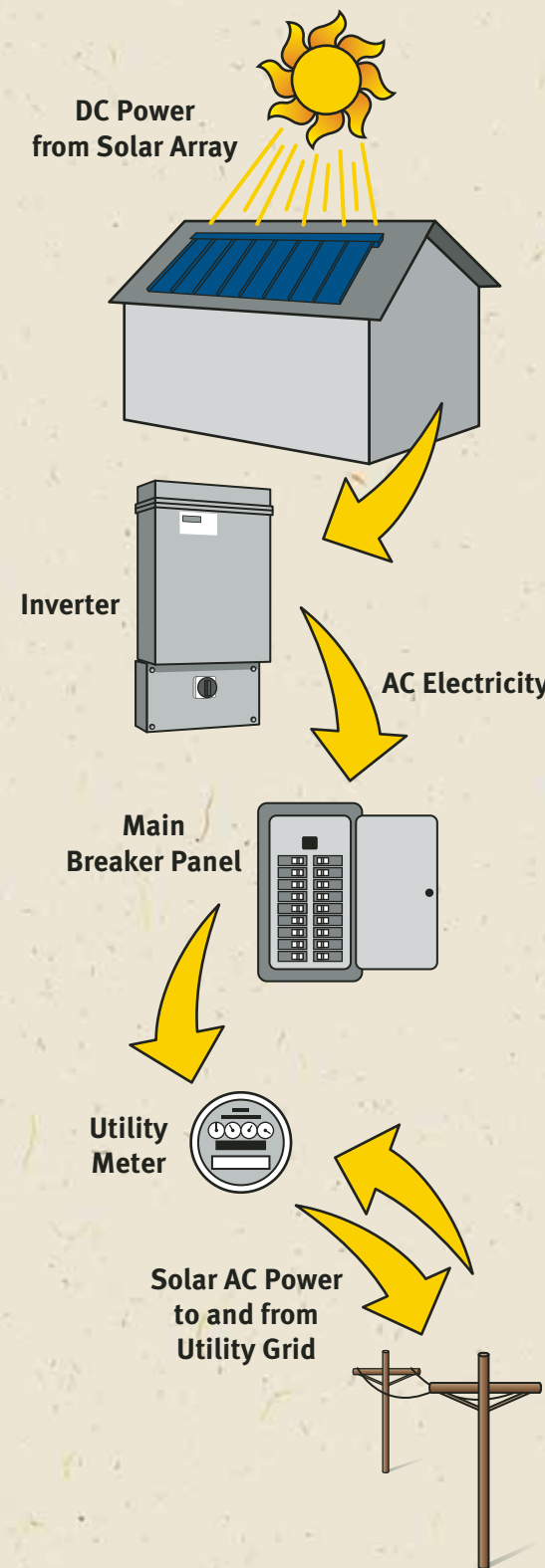
the best  
looks.

the best  
performance.

all in one  
amazing  
roofing product.



## From Sun to Savings in Four Easy Steps



### 1. EnerGen Captures the Sun

From dawn to dusk, EnerGen photovoltaic roofing absorbs sunlight and converts it into direct current (DC) electricity.

### 2. Our EnerGen Inverter Makes the Electricity Usable

Your home uses alternating current (AC), and our EnerGen Inverter converts the DC collected on your roof into AC you can use.

### 3. You Use Only the Electricity You Need

The EnerGen system will generate a portion or, in some cases, all or more electricity than your home uses during the day. Your home will only pull electricity through your electric meter when you need more than your roof collects.

### 4. Get Paid for the Extra\*

If you don't use all the electricity your roof makes, the excess power flows back through your meter into the power grid. And your electric bill goes down even further as a result.

\*Programs vary by state

## For Optimum Performance... Find Your Place in the Sun

Solar panels perform at peak efficiency when certain factors work in your favor. While all solar collectors perform at their best on clear, sunny days when sun exposure is at its peak, EnerGen is designed to work longer and harder, making the most out of any sunlight conditions, from dawn to dusk. For best results...

#### 1. Face South

This is the optimum position for solar panels, but southeast and southwest facing arrays can produce decent results.

#### 2. Catch the Latitude Attitude

Homes in lower latitudes get better sun saturation. EnerGen technology broadens the range.

#### 3. Get out of the Shade

Position solar panels where no shade will fall on them (from trees, buildings, chimneys, etc).

#### 4. The Best Rays are Middays

When the sun is at its highest, solar panels run at optimum levels. EnerGen technology extends this window.

#### 5. Be Weather Aware

The more sun, the better.

#### 6. Get Seasoned Advice

The sun is higher in the sky in summer compared to winter and a steeper roof is better in winter than in summer. Find a balance for your change in seasons.

## Go Solar Now & Save! Rebates & Incentives

#### 30% Federal Tax Credit

One-time credit available now through 2016 on any residential EnerGen solar roofing system.

#### State Rebates & Incentives

Solar is hot, and many states, counties and even local governments have programs to support it. Let us help you find and handle your local rebates or visit [www.dsireusa.org](http://www.dsireusa.org) for more information.

#### Utility Company Rebates & Incentives

Check with your local utility to see if they're one of the growing number of organizations that are supporting the expansion of solar to homes.

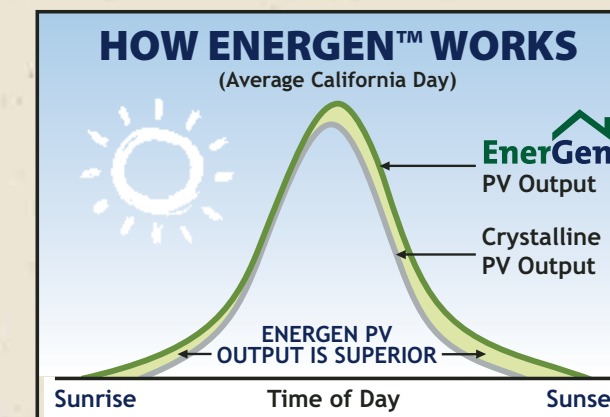


## EnerGen™ Outperforms

Forget what you knew about solar. EnerGen is a sleek new technology that is as beautiful as it is powerful.

CertainTeed's EnerGen™ Photovoltaic Roofing System is a thin-film laminate that lies flush with traditional roofing shingles and produces energy for a longer portion of the day than the crystalline panels you're used to. And it's easier to install.

- Structurally integrated for a sleek and seamless look
- Produces energy longer, even in low light or partial shade
- Requires no roof penetrations
- Flexible enough to fit a multitude of roofing configurations
- Lightweight, no need for structural reinforcement or evaluation
- Durable and resistant to wind uplift
- 110 mph wind warranty



Source: UTI-SOLAR.

*EnerGen™ laminates produce energy for a longer portion of the day and perform better in real world conditions vs. crystalline solar panels per watt installed.*

**EnerGen™**  
A POWERFUL SOLUTION

