



1268 E 100 S | Rochester, IN 46975

www.agtechnologiesinc.com

574-224-8324

YOUR PATH TO



SOLAR ENERGY



SOLARcam[®]
SOLAR SYSTEM

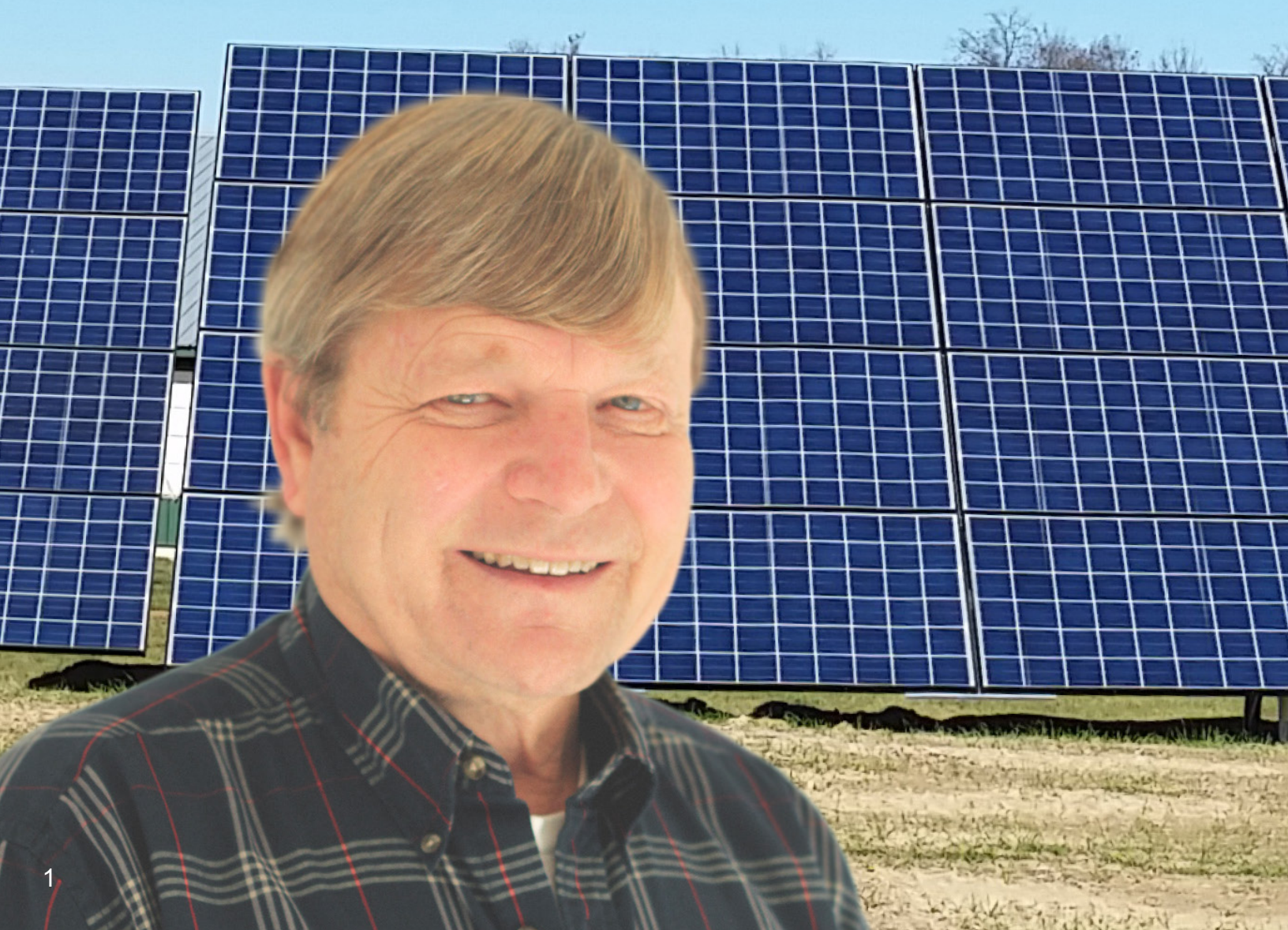
With any fixed tilt system your energy loss adds up as the energy from the sun is wasted due to poor panel position. SOLARcam offers an easy, low cost method to keep your investment working for you.

Q CELLS
a Hanwha company

e ENPHASE

ABOUT THE FOUNDER

Jim Straeter is the founder of six New Holland Agriculture dealerships and Ag Technologies, Inc. – Where the solar energy business operates. His passion for renewable energies began long before diving into the solar energy market. The developments of a backyard solar water heater, a patented methane digester, and a corn stover harvester called Cornrower® only scratch the surface of what's been done with his passion towards using renewable energy. Recognition for his innovations include an "ASAE TOP 50" award in 2012 and a "Silver Award" at Agritechnica show in 2014 in Hannover, Germany.



"In 2012, I installed my first set of solar panels, a 15.48kw system, at New Holland Rochester dealership. When I installed the 10kw wind turbine at New Holland Rochester its performance was less than expected while the solar panels surprisingly exceeded expectations. We chose to use the highest quality products in the business and used some practical thinking in design to come up with the system we have now."

-Jim Straeter



OUR GOAL

At Ag Technologies we want to provide you, the customer, with the best solar energy experience and investment possible. We offer a unique ground mount system utilizing the industry's best products to make sure you receive more kilowatt hours of energy per dollar spent. We want you to feel confident that the thousands of dollars you spend are going to make the return on investment that we anticipate. Collectively, the systems we've installed now produce hundreds of megawatt hours per month and that number continues to rapidly grow.



"We invested heavily into solar energy years ago at our own dealership to prove that our systems will do what we say they will – and they have."

-Jim Straeter





WHAT **SOLARcan**® DOES FOR YOU

Our patented system with tilt capability has enhanced efficiency built into every component. Top quality Q Cells panels, Enphase microinverters, and custom-made stands ensure our customers get peak efficiency all year long. The “return on investment” from our system is unmatched. When a customer buys our system, the 30 year life expectancy is backed by Q Cells and Enphase - both financially stable and experienced players in the industry. Start your solar journey with the best system available.



The photo at the left shows snow covering a large portion of a fixed-tilt panel system. This snow came four days before this photo was taken and production was compromised all of that time.

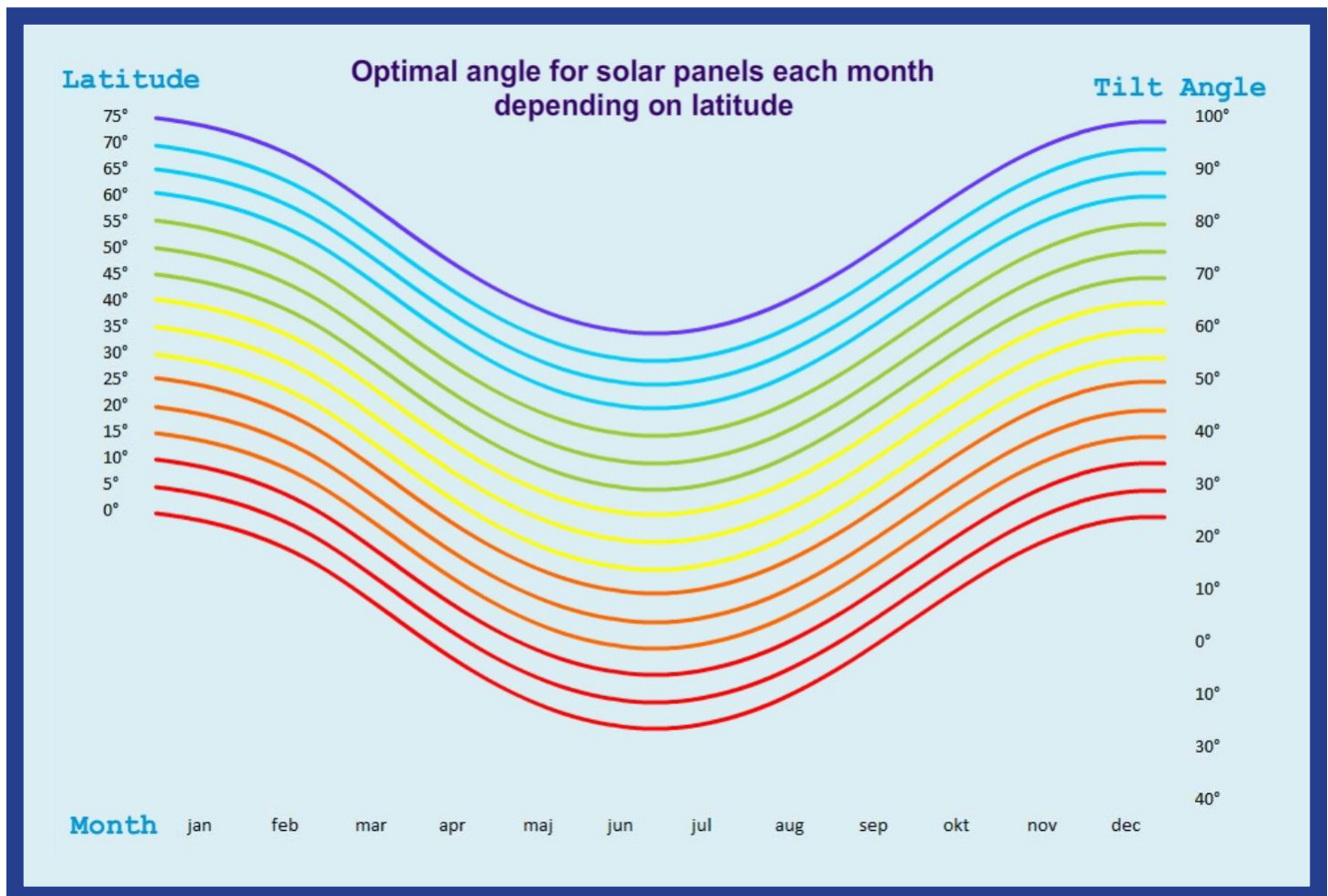
The photo at the right shows a **SOLARECHIT** system located adjacent to the fixed-tilt system shown above. Notice the snow has completely slid off of the panels and the bright sun is shining on the panel, not on the snow.



DOES ANGLE COUNT?

Yes, it does! The more energy the panel can absorb, the higher the value of the system. A hammer hitting a nail squarely drives the nail into the wood as energy is transferred from the hammer to the nail. If the hammer glances off the nail, much of that energy is wasted and the nail movement is significantly reduced. Sunlight hitting a solar panel squarely transfers more energy to the panel if it is at a proper angle.

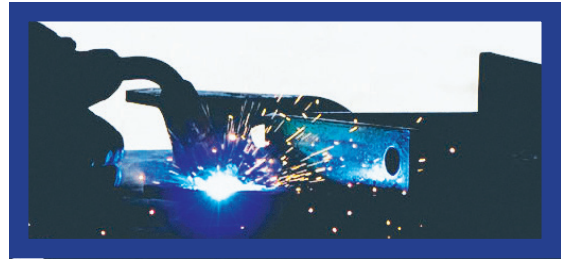
With **SOLARCAM** you get the ability to adjust the solar angle very easily and make the most of your investment. The chart below shows clearly what the recommended angle for a solar panel is at any given location. Notice that the change is about 40 degrees over the year! With any fixed tilt system your energy loss adds up as the energy from the sun is wasted due to poor panel position. **SOLARCAM** offers an easy, low cost method to keep your investment working for you.



Source: solarpanelsphotovoltaic.net



CRANK



Custom made exclusively for Ag Technologies by Craig Welding & Mfg of Mentone, IN, with certified welding procedures that make **SOLARcam** stands stronger than competitive structures. Our patented design makes angle adjustment simple and easy without compromising strength. Just loosen the **SOLARcam**, adjust the angle, and tighten.



SOLARcam®

Our exclusive stand design that incorporates an easy, simple, and strong support structure is just part of the value benefit **SOLARCAM** offers. The high performing Q Cells solar panel, Enphase microinverter technology and simple electric design avoid high voltage DC wiring inherent to string inverters. All of these complement the support structure to give **SOLARCAM** owners a long term value benefit package only available with **SOLARCAM** from Ag Technologies Inc.

kwh/kw = Annual kilowatt-hours produced
per kilowatt installed (Data from 2015 calendar year)

1632 kwh/kw

SOLARCAM
SOLAR SYSTEM

1184 kwh/kw

Non-Tilt System
COMPETITOR A

894 kwh/kw

Non-Tilt System
COMPETITOR B

See us for comparison details.

The physical value from **SOLARCAM** is augmented by the company behind the product. Ag Technologies Inc. is part of a multiple location farm equipment business that has over 30 years of success, growing from a single location in Rochester, IN to stores that essentially cover North Central Indiana. A solar system is a long-term investment. The product and the company behind it need to be up to the task.

SOLARCAM offers you the entire package to make your investment in top quality equipment and solid support the best value available.

INSTALLATION

Ag Technologies contracts installations through a family tied company, Cheeseman Construction. Larry Cheesman has provided construction services for over 25 years. You can count on him and his crew to get the job done right, even in the toughest conditions or geographic places. His history of business in construction brings a hard-working, customer care aspect to installations that everyone appreciates.



Five acre (1Mw AC and 1.180Mw DC) system
under construction August 2017

WE INSTALL AMERICAN MADE **Q CELLS** PANELS

a Hanwha company

Q-Cells has built the largest solar panel manufacturing facility in the USA in Dalton, Georgia. At 1.6Gw, this production facility offers unparalleled economy of scale, assuring a high-value product with American made certification and quality. Bringing 500 new jobs just to the manufacturing component, Q-Cells' investment of \$150,000,000.00 in the US guarantees a long term commitment to the United States' solar market.

Ag Technologies continues its commitment to US-made solar panels. Our standards for efficiency and durability includes sourcing product that we can count on to support 25-year warranties and an expected life of 40 years for our **SOLARCHAM** systems.





STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.



Q.ANTUM TECHNOLOGY : SHORTEST INVESTMENT PAYBACK-TIME

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency of up to 19.9 %



INNOVATIVE ALL- WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID and Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa) regarding IEC.



A RELIABLE INVESTMENT

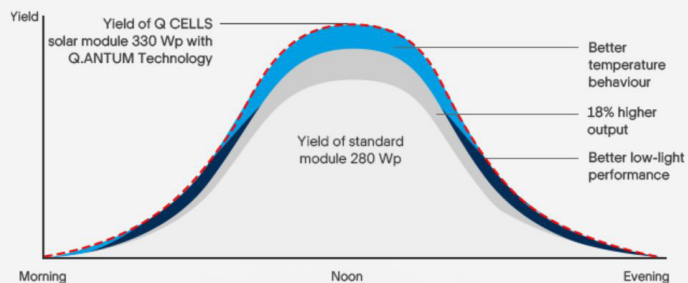
Inclusive 12-year product warranty and best in class 25-year performance guarantee².

Up to

19.5%

Efficiency rate

The rear surfaces of Q.ANTUM solar cells are treated with a special nano coating that functions much like a typical household mirror. Rays of sunlight that would otherwise go to waste are reflected back through the cell to generate more electricity.



ENPHASE MONITORING SYSTEM PUTS THE SYSTEM'S INFORMATION ON THE INTERNET FOR UNMATCHED SYSTEM TRANSPARENCY

Whether you want your information on-the-go or in the comfort of your home or office - we deliver.

With the Enphase Envoy monitor receiving data from each micro-inverter on a real-time basis the owner can see what is happening immediately. Data is stored and can be retrieved at any time in whole system reports or individual panel reports.

With Enphase Enlighten Manager, provided data includes AC voltage, DC voltage, frequency, temperature, and more real time based graphs and numerical data. No more guessing about what is going on with Enphase. There is no match for the industry-leading brand of micro-inverters and we install them on every system we sell.



ENPHASE MICROINVERTERS PROVIDE THE BEST IN CLASS ENERGY YIELD



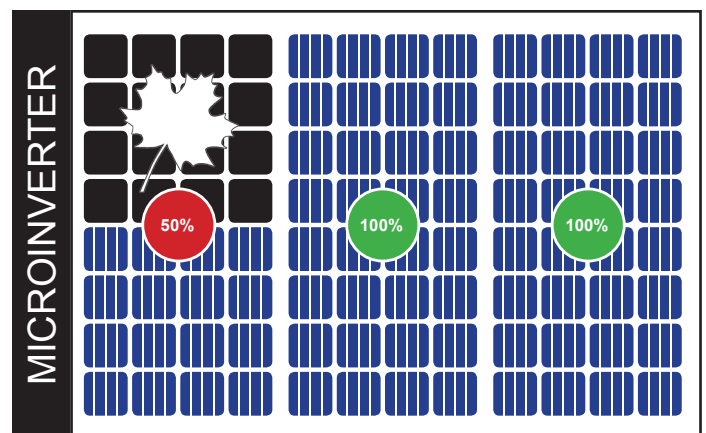
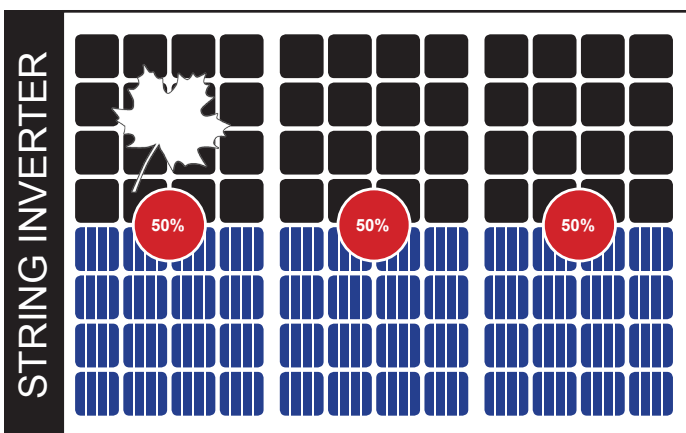
The All New IQ7 Microinverter

IQ6 microinverters from Enphase change the game in solar production. Higher efficiency and 'smart system' integration make Enphase the only choice for cutting edge solar systems! IQ technology comes battery storage-ready with home energy consumption tracking. Don't start a 40-year solar journey with outdated technology and less intelligent software.

Microinverter vs. String Inverter

With one panel shaded in a 'string inverter' system the other two panels' production is limited by the shaded panel.

With one panel shaded in an Enphase system the other two panels aren't inhibited. With snow, frost, debris, and other limiting issues on individual panels the microinverter maintains the highest energy yield – an advantage for 25+ years!



FINANCING YOUR SOLAR SYSTEM



We understand that funding the up-front costs of solar energy presents a challenge to some customers. For that reason we offer:

AN EXCLUSIVE LEASE

- Leasing provides low monthly payments.
- Customers can elect to keep the investment tax credit or pass the tax credit to the leasing company.

BANK FINANCING

We have arranged financing through a number of financial institutions with payment terms up to 10 years.

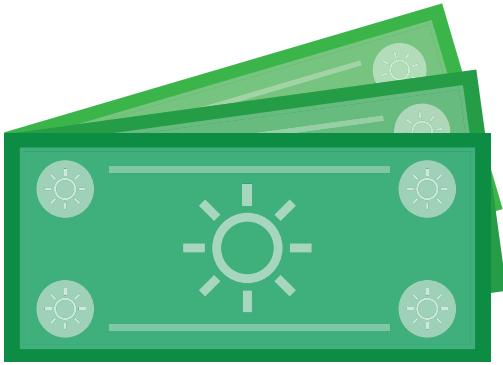
GRANTS AND INCENTIVES

We offer assistance at no charge for the application process to grants such as the USDA REAP Grant and other incentives!

Contact us at **Ag Technologies Inc.**
for best-in-class solar and financing options.

SOLAR MYTHS DEBUNKED

Misconceptions prevent people from saving money with solar energy.
Let's start debunking these myths.

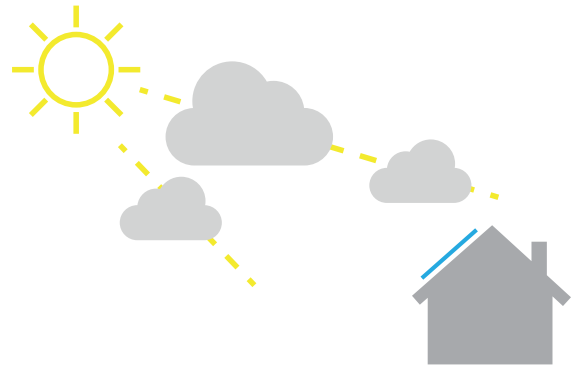


Too expensive?

One of the most stubborn myths about solar energy is that it is too costly for most owners. In reality, solar is more affordable than ever and the options for financing solar are increasing all the time.

Not enough sun where I live?

Solar energy systems can work well in a wide variety of places, including foggy and cold climates, and on overcast days. Germany, a country not known for massive sun, leads the world in solar.



Solar can't pay for itself?

Many owners are able to get solar with no money down and see reduced energy costs immediately. Even if you pay cash the system pays for itself in less time than ever.

Hurts my home value

A recent study showed that homeowners who purchase a solar energy system actually add to their property value. Homes with solar are likely to sell more quickly, too.



A young child with blonde hair in a ponytail, wearing a pink shirt and dark pants, is sitting on the ground and playing with dirt. To their right, another child is partially visible, wearing a blue patterned dress. In the background, there is a large array of solar panels mounted on black metal frames over a grassy field.

ABOUT THE ENVIRONMENT

If you are concerned about the impact of energy from fossil fuels on our environment, the fact is that solar-produced energy has zero negative impact on the environment. Solar protects the environment for future generations.

Every 7kW array keeps enough carbon out of the air to equal the carbon that 6.75 acres of forests consumes!

Currently, the systems we've installed prevent tons of carbon from coal-fired power every day.



FREQUENTLY ASKED QUESTIONS

Q: What incentives are available?

A: The most common answer is that there's a 30% federal investment tax credit (ITC) available until the end of 2019. The United States Department of Agriculture (USDA) has grants available on commercial solar systems and your state or utility may have other incentives.

Q: How long will it take to install the solar system?

A: The physical installation of the system usually gets done in a matter of days. The interconnection application process with the utility, permitting, and planning usually take longer.

Q: What will hail do to the solar panels?

A: Though acts of nature are not covered by Q Cells warranty policy, Q Cells has lab tested to know that it would take a 1" hail stone at 52 mph to break the panels' glass.

Q: How much wind can the solar panels take?

A: Craig Welding and Manufacturing, Inc. has engineered the framework of the SolarCAM system to withstand winds up to 90 mph.

Q: How long will it take to pay back the investment?

A: We provide a pay back analysis for each customer as tax rates, utility costs, etc. affect the pay back terms. The question that you should ask yourself is: will you do something about your electric cost now or continue to pay bills forever?

Q: Should I insure the solar system?

A: Ag Technologies, Inc. recommends adding the solar system to your current insurance. It should cost the same to insure the solar panels as if you were to put up a garage of similar cost.

Q: How far away can my panels be from a tree, building, or other objects due to shading?

A: Ag Technologies will provide a free site visit to determine good locations for your solar system. A general rule of thumb is to place the panels away 1.5x the height of the object.



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