

GE Energy

Commercial Scale Solar

a product of
ecomaginationSM



imagination at work



Harnessing the Power of the Sun

With rising fuel costs, climate change concerns and growing demand for electricity, renewable energy resources such as solar power are becoming an increasingly valuable part of the global energy mix. Around the world, businesses and homeowners are harnessing the power of the earth's most abundant natural resource—sunlight—to provide energy using solar power.

Solar modules generate electricity using an inexhaustible, zero cost, and carbon free fuel—power from the sun's rays. Solar power can help commercial facilities and large utilities reduce their energy costs.

Powerful Heritage... Innovative Solutions

Building on a strong power generation heritage spanning more than a century, GE's photovoltaic (PV) solar modules and systems have proven performance and reliability, creating more value for our customers.

GE Energy is one of the world's leading suppliers of power generation and energy delivery technologies—providing a broad array of solutions for traditionally fueled plants as well as those driven by renewable resources such as wind, solar and biogas. GE Energy has the worldwide resources and experience to help customers meet their needs for cleaner, more reliable and efficient energy. Currently, GE Energy operates locally in approximately 120 countries, and has more than a million megawatts (MW) of installed power generation capacity.

GE Energy solar PV products are backed by GE's world class manufacturing processes. GE's solar manufacturing facility is located in Newark, Delaware. GE's Global Renewable Energy business is headquartered in Schenectady, New York, and the European Renewable Energy headquarters is in Salzbergen, Germany. Our Quality Management System, which incorporates our rigorous Six Sigma methodologies, provides our customers with quality assurance backed by the strength of GE.



GE Solar Technologies

GE offers complete solar electric systems with PV modules ranging from 66 W – 200 W. With flexible installation techniques ranging from roof top to ground mount structures, GE's solar technologies are easily adaptable to new and existing structures.

Our product strategy is focused on results that contribute to our customers' success. Every initiative we pursue bears our uncompromising commitment to quality and innovation, and our reputation for excellence can be seen in everything we do. We believe that renewable energy resources such as solar will be an integral part of the world energy mix throughout the 21st century, and we are committed to helping our customers design and implement energy solutions for their unique energy needs.

Photovoltaic Modules

GE's standard solar module is a 200 W PV module, providing peak power output of 200 watts at 26.3 volts. It is comprised of 54 poly-crystalline silicon cells connected in a series, creating a reliable, sturdy design. The module is extremely durable and has been fitted with a robust, clear anodized aluminum frame with pre-drilled holes for quick installation that can withstand severe weather. Additionally, all solar modules are backed by GE's 20-year warranty and strength in fulfillment.

Solar Electric Systems

GE Energy offers a wide range of complete solar electric power systems. Along with ease of installation and service, our industry leading systems provide a safe and reliable source of renewable power. These pre-packaged systems are designed to supply years of maintenance-free operation. Each system comes complete with modules, power electronics, mounting kits, a power meter to monitor performance, and complete documentation for contractors and homeowners. Available with or without an Uninterruptible Power Supply (UPS), these pre-packaged systems make solar electric power affordable and simple.

Project Execution

Our global project management and fulfillment expertise offer customers on-time delivery and schedule certainty. Our engineering and supply chain teams are ready to respond to any technical, mechanical or electrical questions that may arise and to work with local installation partners to meet your goals. As one of the world's largest power plant system providers, GE is uniquely positioned to provide customers with full-service project management solutions.



18 kW
Santa Maria de Roncesvalles
Pomplona, Spain



10 MW
Solar Park
Cáceres, Spain



129 kW
Shafer Vineyards
Napa, CA



Global Research

At GE's Global Research Center, some 3,000 people from nearly every major scientific discipline are working together at the intersection of technology and industry to solve some of the world's toughest problems. The Research Center has been the cornerstone of innovation at GE for over a century. Today, it is one of the world's largest and most diverse labs with facilities in New York, India, China, and Germany.

GE has been a world leader in power generation equipment for more than 100 years, and we have a vested interest in continuing this tradition into the future of the energy market. The key global drivers for the industry are environmental impact and energy independence, so at the Global Research Center we are industry leaders, heavily investing in new "sustainable" technologies that will create the energy systems of the future including the innovation of future generation solar technologies.

Ecomagination

GE Energy's Solar products are certified under GE's ecomagination program. Ecomagination puts into practice GE's belief that financial and environmental performance can work together to drive company growth, while taking on some of the world's biggest challenges. Through ecomagination, GE is aggressively bringing to market new technologies that will help customers meet pressing environmental challenges.

Powering the world...responsibly.

To learn more about GE Energy's Solar Products, contact your local GE representative at:

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