

The whole point of solar power is to generate clean electricity using the endless and free resource that is the sun. And while solar power is one of the lowest impact ways to create clean electricity, not all solar technologies are equally as “green and clean.”

At Evergreen Solar we relentlessly focus on reducing the energy, materials and waste involved with making our String Ribbon™ panels. The result is one of the most environmentally responsible panels ever made.

MAKING ELECTRICITY and not much else

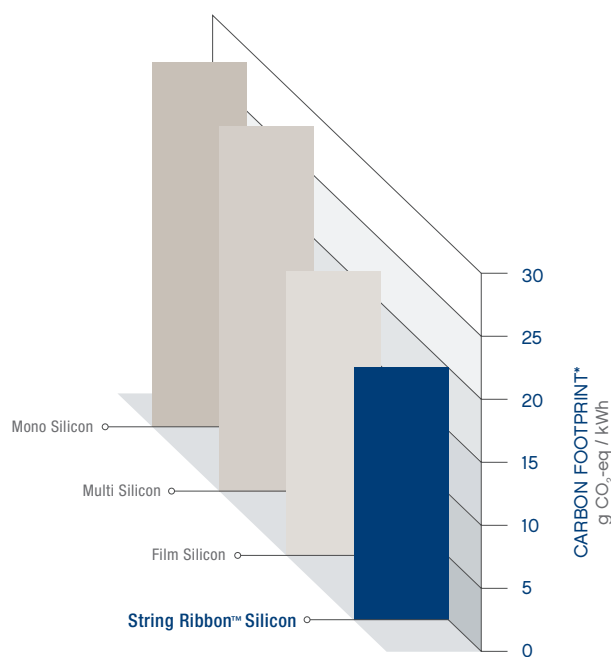
The Smallest Carbon Footprint

Our unique manufacturing process creates String Ribbon™ silicon wafers using a fraction of the energy required to make conventional silicon-based wafers. This means that the amount of CO₂ generated by making our panels is up to 30% less than other solar panels.

Evergreen Solar has worked with the Energy Research Foundation of the Netherlands (ECN) to help track the carbon footprint of our panels from the supply of raw materials right through to the shipping, installation and operation of the panels in the field.

And while this means we have the smallest carbon footprint of any silicon solar panel ever made, we continue to look for ways to improve our manufacturing technology and reduce energy emissions through every step of every process.

The lowest emissions of any silicon-based technology



*For panels installed in a system, including balance of system components; Evaluation completed by the Energy Research Foundation of the Netherlands (ECN), May 2009

made as if OUR FUTURE depends on it

Lead-free and Simple to Recycle

Unlike many other solar cells, ours don't contain any hazardous materials like lead and cadmium, which can be harmful to the environment. Because we believe that not only should our panels make clean electricity, the way we make them should be clean too.

And this commitment to making clean panels also pays dividends long into the future because it means that no specialized, expensive and energy-intensive disposal is required at the end of a panel's useful life. Because they contain no hazardous materials, an Evergreen Solar panel can simply be recycled like any other common electrical product.

Clean from the beginning of its life cycle to the end



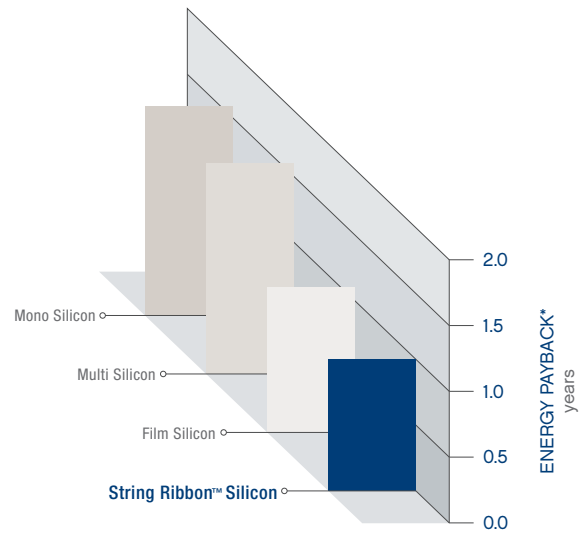
GREENER SOONER

Fastest Energy Payback

Perhaps the simplest way to judge a solar panel's environmental credentials is to measure its energy payback. This is the amount of time it takes a panel to replace the energy it took to manufacture it. From this point on, the panel creates clean electricity with no remaining impact on the environment.

And since our panels are created by a uniquely efficient, low-energy process, the result is an energy payback of only 12 months. This is less than any other silicon-based solar technology currently available. This means that Evergreen Solar panels begin generating clean electricity faster and for longer than any other silicon solar panel.

The least embodied energy of any silicon-based technology



*For panels installed in a system, including balance of system components; Evaluation completed by the Energy Research Foundation of the Netherlands (ECN), May 2009

SHIPPING smarter

Reusable Packaging

Our concern for the environment does not end with our manufacturing processes, but also extends to the panels after they have left our factories. Our elegant, reusable and recyclable packing corners eliminate tons of cardboard waste every year. This reduces field disposal costs and helps further limit our impact on the environment.

100% cardboard free packaging



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String Ribbon is a trademark of Evergreen Solar, Inc. Evergreen Solar's wafer manufacturing technology is patented in the United States and other countries. Copyright © Evergreen Solar, Inc 2009.

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