Intelegant.™

THE RARE COMBINATION OF INTELLIGENT ENGINEERING AND BEAUTIFUL DESIGN.™

SUNPOWER®

Beautiful Thinking.

Analytical. Rational. Logical.
The intelligent side of the SunPower story.

Using sunlight as fuel is a brilliant solution to our energy needs. Photovoltaic (PV) systems produce no harmful emissions or pollution. And by producing power directly where customers need it most — on buildings or in remote locations — there's no need for costly and unsightly transmission lines. Best of all, with no moving parts to wear out and no regular maintenance required, PV systems can quietly provide decades of trouble-free service. Today, SunPower is using the power of innovative thinking to advance PV technology years ahead.

Smart Thinking: Create a Better Solar Cell. Founded more than 15 years ago, SunPower Corporation is home to one of the world's leading solar-cell technology teams. Our vision is to hasten the day when renewable energy will fulfill a significant portion of the world's energy needs. Historically, SunPower has demonstrated cutting-edge technology solutions to unique high-performance applications around the world. So it should come as no surprise that our technical team has now come up with an ingenious approach to making high-performance solar cells that can be produced cost effectively. In fact, they are the most efficient mass-produced silicon solar cells available in the world today.

Intelligent Engineering: More Power to You. Simply put, maximizing the active front surface available to absorb and convert sunlight means more efficient solar cells. Unlike conventional products, SunPower's solar cells and modules are designed with all the electrical contacts on the back surface where they don't block the sun. An industry first. This smart engineering feat enables SunPower solar cells to achieve a conversion efficiency of over 20% — up to 50% more power than traditional products. The higher power density of SunPower solar cells means that customers can install more kilowatts of clean solar power within a limited roof area and can significantly reduce installation cost per kilowatt.

Brainy Design: Scores High Marks. SunPower's patented solar cell architecture offers many advantages. A lower voltage-temperature coefficient enhances high-temperature operation. Exceptional low-light performance and high sensitivity to light across the entire solar spectrum means that SunPower modules convert virtually every available photon into useable electricity, maximizing yearly energy production.

Brilliant Construction: Built to Outlast and Outperform. SunPower's smart technology extends through to the construction of our modules. We start by using only the highest quality 4mm-thick high-transmission strengthened glass for enhanced stiffness and impact resistance. Unique cell interconnect innovations from the aerospace industry allow us to create modules with exceptional long-term reliability, and an advanced encapsulation system meets the most stringent safety requirements for high-voltage operation. A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a wide variety of standard mounting systems. SunPower modules — innovative design, proven materials, outstanding performance.

SunPower's unique technology allows our customers to construct the world's most area-efficient systems, ideal for rooftops, communications, BIPV and consumer applications worldwide.

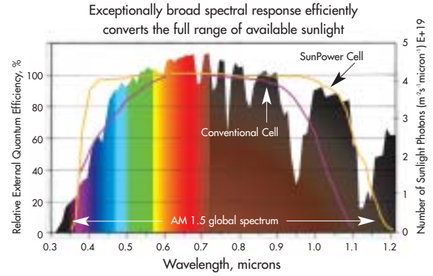
It's an intelligent solution. An elegant one too.
(Turn over to read the complete story.)

SunPower Corporation®
1.877.786.0123
Email: sales@sunpowercorp.com
www.sunpowercorp.com
A subsidiary of Cypress Semiconductor

The Anatomy of a Superior PV Module

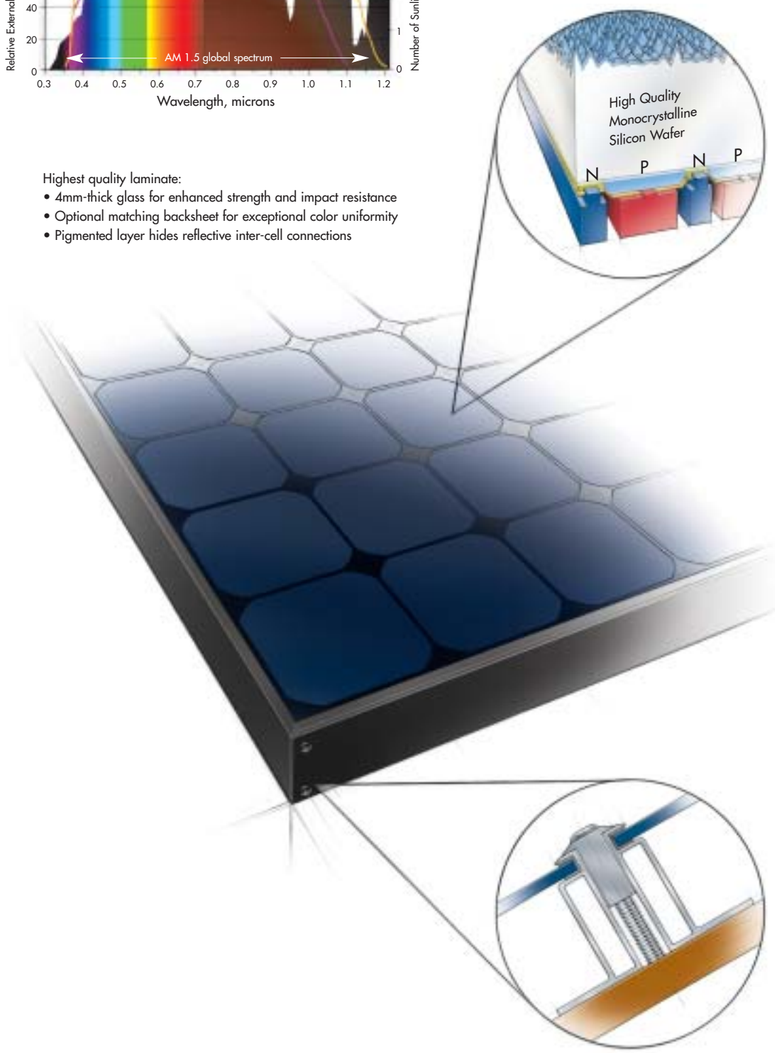
Spectral Properties

Exceptionally broad spectral response efficiently converts the full range of available sunlight



Unique all-back-contact solar cells:
- Cell efficiency up to 21.5%
- Lower temperature coefficient for better operation at high temperature
- Exceptional low-light performance maximizes energy harvest

Highest quality laminate:
- 4mm-thick glass for enhanced strength and impact resistance
- Optional matching backsheet for exceptional color uniformity
- Pigmented layer hides reflective inter-cell connections



Sturdy aluminium frame compatible with a wide variety of mounting systems.

Intelegant.™

THE RARE COMBINATION OF INTELLIGENT ENGINEERING AND BEAUTIFUL DESIGN.™

SUNPOWER®

Thinking Beautiful.

Emotional. Creative. Intuitive. The elegant side of the SunPower story.

The sun. Since the dawn of time, man has marveled at its beauty and the life it creates. For centuries, engineers have dreamed of harnessing the sun's breathtaking power to improve our quality of life. Solar cell technology is a beautifully simple yet smart solution. A smart solution waiting for an elegant touch.

Beautiful — Inside and Out. At SunPower, we believe that solar products should be as beautiful on the outside as they are on the inside. And that they should blend harmoniously into our environment, not stand out from it. When customers purchase any high-end product, they're making a significant investment that will bring years of enjoyment. They've come to expect good product design. Rightfully so. And because most solar modules are highly visible, it's as important a part of the buying decision as a product's efficiency or performance rating.

Solar Cells — Inner Beauty. Our focus on product appearance starts with innovative all-back-contact solar cells. SunPower has spent years perfecting the aesthetics of solar cells. The entire front surface is uniformly dark and free of the metal gridlines that normally create an unsightly pattern. By combining a trade-secret surface texturization process with an advanced multilayer anti-reflection coating, SunPower is able to create an unparalleled solar-cell look that is as deep and rich and even as black velvet.

PV Modules — Handsome Exterior. Velvet-black appearance, no harsh reflections or unsightly components. With SunPower's all-black modules, there are no obvious visible features that interrupt the uniform smooth appearance seen from the front. Obtaining this simple but uniquely pleasing product appearance requires finesse. First, SunPower places a pigmented layer over the metal inter-cell connectors to eliminate any annoying reflection. Next, we carefully color-match the polymer backsheet to create a background that enables the individual solar cells to virtually disappear. Finally, a textured front glass sheet further enhances color uniformity and reduces glare. A jet-black aluminum frame supports the whole package. And as one would expect, SunPower's production teams pay special attention to the level of final product fit, finish and overall quality. You won't have to hide these solar modules, or want to.

At SunPower, we believe that by combining innovative engineering and elegant design with manufacturing best practices, we're creating superior products. Products that don't just perform better, they actually look better on buildings as well. Products that will help persuade customers to adopt solar solutions sooner rather than later.

It's an elegant solution. An intelligent one too.
(Turn over to read the complete story.)

SunPower Corporation®
1.877.786.0123
Email: sales@sunpowercorp.com
www.sunpowercorp.com
A subsidiary of Cypress Semiconductor