



THE BRILLIANCE
of
SOLAR MADE SENSIBLE®



Global Photovoltaic Technology Leader

WHO WE ARE

High-Quality

High-Efficiency

Cost-Competitive
Cells and Modules

Suniva's team is led by several of the world's most experienced technical experts in PV, coupled with a highly experienced leadership team, a unique combination in this industry. With decade's worth of experience, the team's deep technical roots and veteran management experience yields the highest efficiency, cost-effective PV in the world. We use patented, low-cost manufacturing techniques and pioneering intellectual property to ensure **optimum power, performance, reliability and unparalleled value in every product we make.**

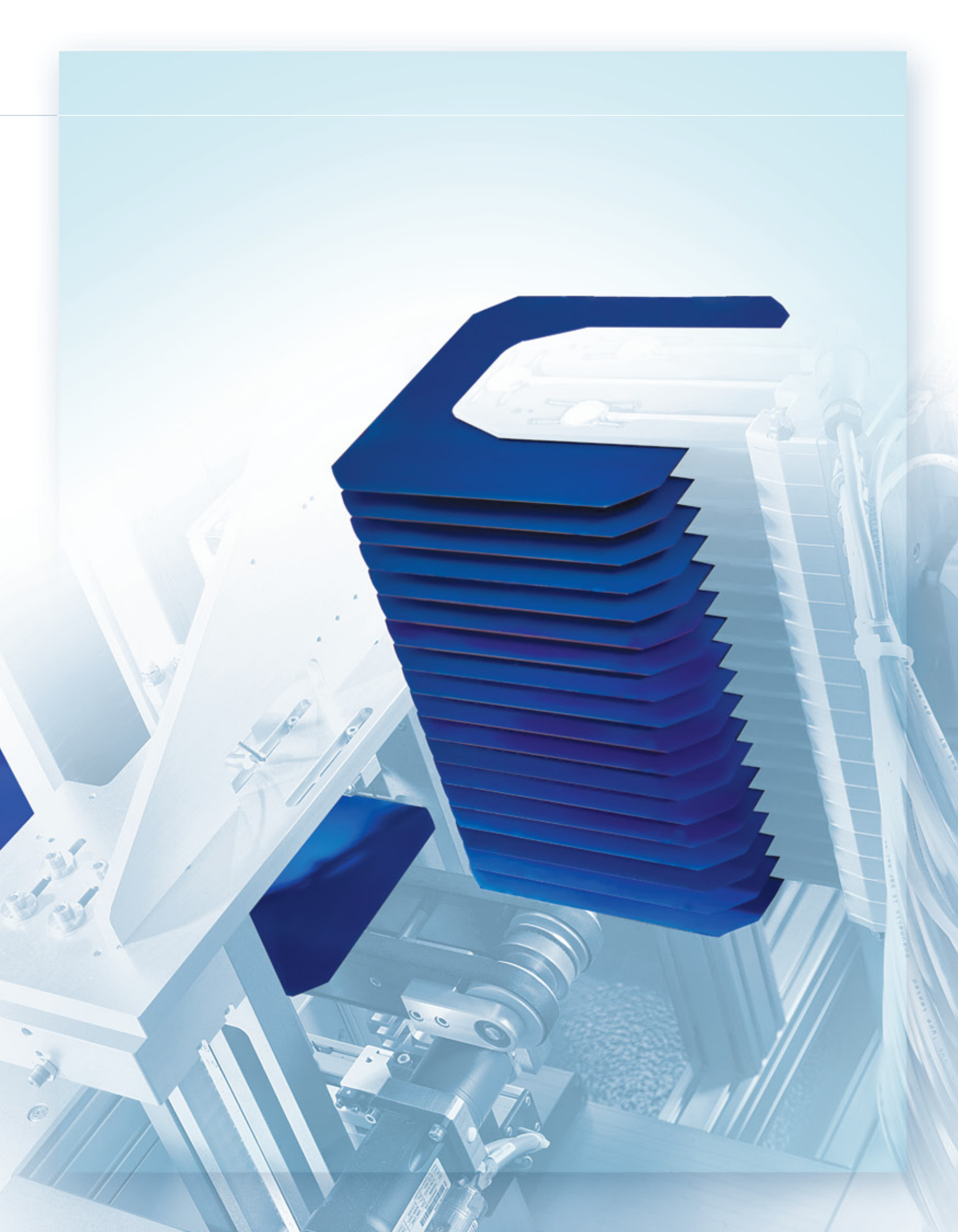
RESEARCH AND TECHNOLOGY INNOVATOR

Suniva evolved from America's premier crystalline PV research center, under the direction of world-renowned solar scientist, Dr. Ajeet Rohatgi, who holds over 15 world records for PV cell performance. Our innovations in cell processing techniques represent more than **three decades of silicon PV experience.**

Since our inception, Suniva has led the way with high-performance cost-competitive cells. We currently produce record-setting 20+% efficiency, full-size cells in our lab, and the world's highest commercially-available cell efficiencies in full production using low manufacturing costs, **averaging 19+%.**

Our reputation for quality and technological advances is based upon our skilled leadership experience, with decades of recognized success in PV research, design, manufacturing and entrepreneurship. Suniva's leadership in pioneering technologies, manufacturing processes, and research milestones have set the standard in the global marketplace.



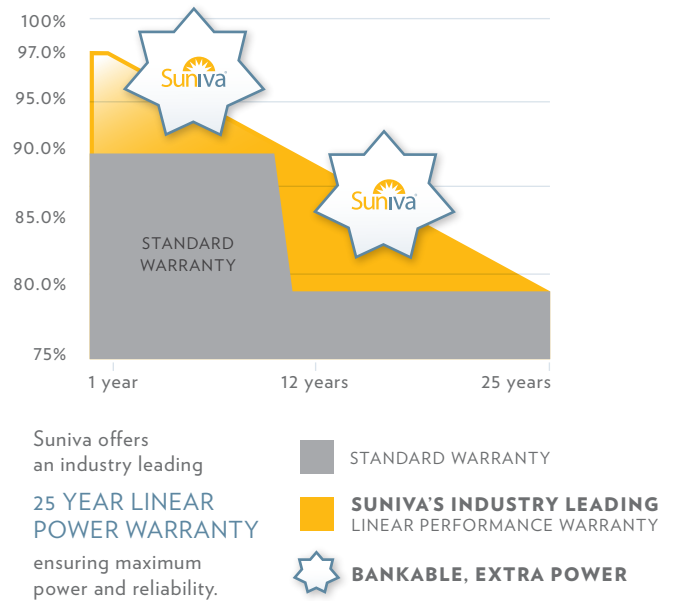


Quality Drives Reliability

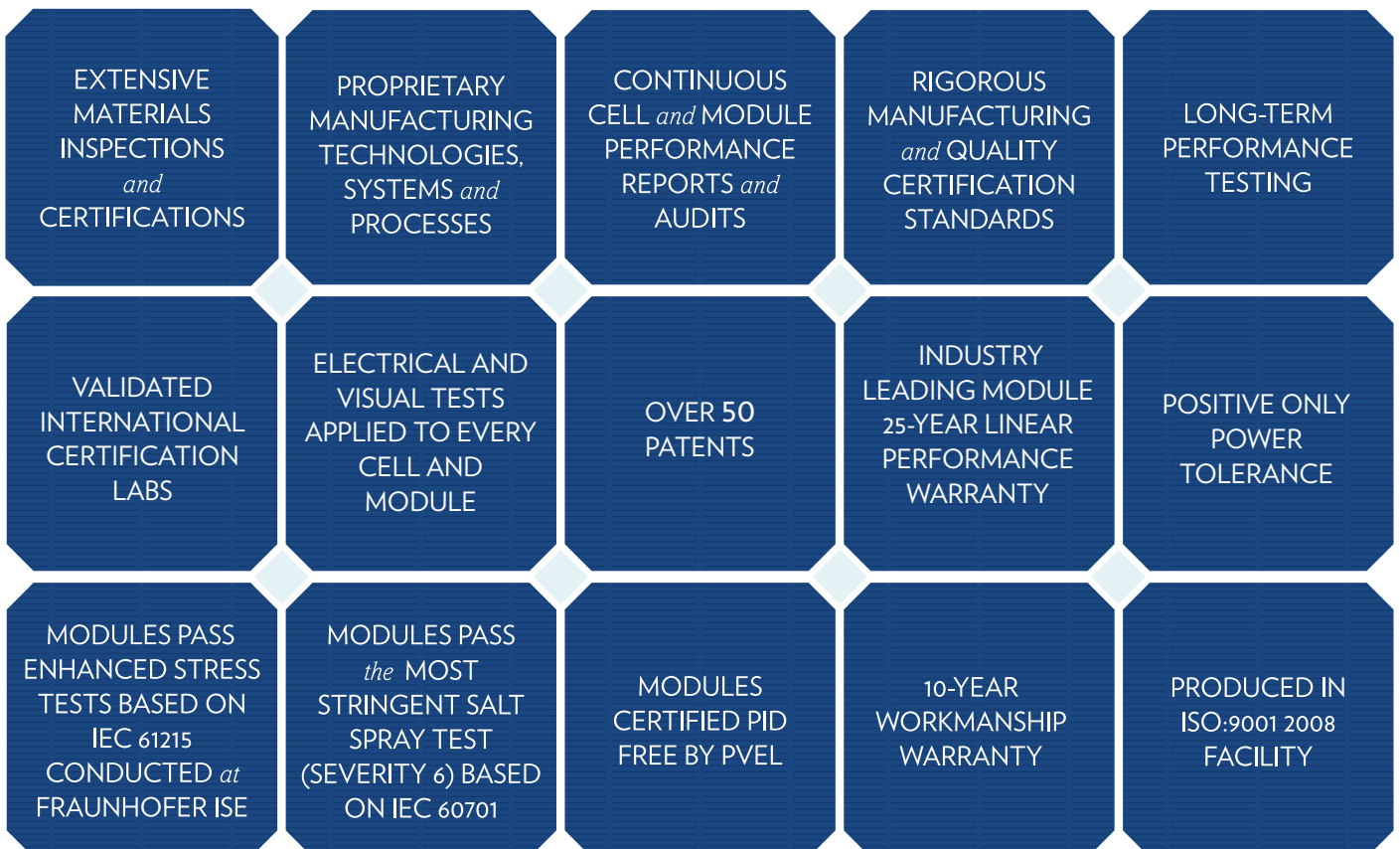
HIGHER EFFICIENCY MEANS LESS MATERIALS, SPACE AND EQUIPMENT

Suniva recognizes that quality and reliability are critical to high-performing, long-lasting PV systems; that is why we are the optimum choice for high-efficiency system longevity.

Suniva modules contain only the highest-quality materials, beginning with our cells, which deliver one of the highest efficiencies on the market. Our focus on quality materials to produce high power-density modules requires less installation space and balance of systems equipment. For our customers, this means a lower \$/watt cost. It also ensures that Suniva modules produce more energy over the lifetime of the system, reducing the levelized cost of energy (\$/kWh).



OUR BANKABILITY PLATFORM



REDEFINING MANUFACTURING *for* WORLDWIDE COMPETITIVENESS

Suniva continually improves our proprietary manufacturing processes for high-powered modules to reduce the cost of PV ownership and drive its competitiveness against conventional grid power costs. We achieve this by reducing raw material costs without compromising quality, increasing process efficiencies and developing and implementing new cost-effective technologies. In 2011, Suniva was the first company to successfully employ ion implantation as an enabling technology in the production of solar cells.

As a pioneer in developing the intellectual property to leverage ion implantation in solar manufacturing, we gain the competitive advantage of fewer processing steps while maintaining high quality, improving cell performance and increasing power output.

MAXIMIZING POWER IN ANY SPACE *at a* COMPETITIVE COST

Suniva's patented cell technology is at the core of our high-powered modules, producing **more power per unit area** at a competitive cost. High-powered modules are the key to optimizing solar power produced in constrained areas, such as rooftops, carports and any area where producing more power over the lifetime of the system is important. In any setting, producing more power in a given area, or utilizing fewer modules to produce a given power output (therefore **reducing balance of system costs**), are the keys to achieving a lower levelized cost of energy (LCOE).

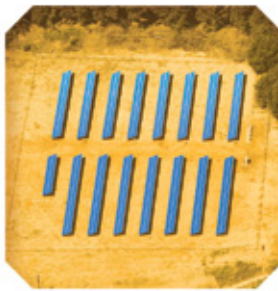
Global Customers Value Suniva's Benefits In:



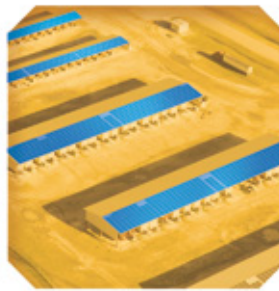
COMMERCIAL



RESIDENTIAL



UTILITY



AGRICULTURAL



GOVERNMENT

In the commercial sector, our modules can be found on canopy, roof and ground-mounted power systems at industrial and agricultural complexes, telecom sites, warehouses and many other business applications.

In residential applications, Suniva modules meet the growing homeowner market demand for reliable performance and quality, uniform appearance. Our black frame and back sheet modules are particularly popular with residential customers.

For utility-scale applications, Suniva's high quality and high power output modules are ideally-suited for reliable power needs regardless of scope and size.

For off-grid applications, Suniva powers much-needed applications in combination with battery storage when the grid is either unavailable or unreliable. In many instances, the PV system replaces or augments expensive-to-run and environmentally "dirty" diesel generation.

For Government and Department of Defense applications, Suniva cells and modules help fulfill energy security demands by providing energy reliability and resiliency.





GLOBAL PV TECHNOLOGY LEADER

As a global leader in high-efficiency, low-cost PV manufacturing, Suniva has earned a reputation for creating sensible solar, helping to promote the practical adoption of solar energy all over the world. Suniva's products offer a superb balance of high-efficiency and low-cost, using American technology from an American company, whose reputation for innovation, quality and affordability is worldwide.

visit **suniva.com**

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QUALITY. RELIABILITY. EFFICIENCY.

Suniva has a significant role in the global PV sector, with hundreds of megawatts of our products installed throughout the world. Please visit our website and contact us to find out more about our products.

visit **suniva.com**

RECOGNIZED LEADERSHIP

Suniva's reputation for business and scientific leadership has been honored by many of the industry's most significant awards:

- Named "Cool Vendor in Solar" by Gartner Research, 2012
- Ranked #2 in The Wall Street Journal's Top Venture-Backed Clean-Tech Companies. Selected from more than 500 eco-businesses, 2011 and 2010.
- Winner of Platt's Energy Awards, Commercial Technology of the Year, 2010
- CTO, Dr. Rohatgi named Winner of Outstanding Achievement in Research Innovation Award, 2010

