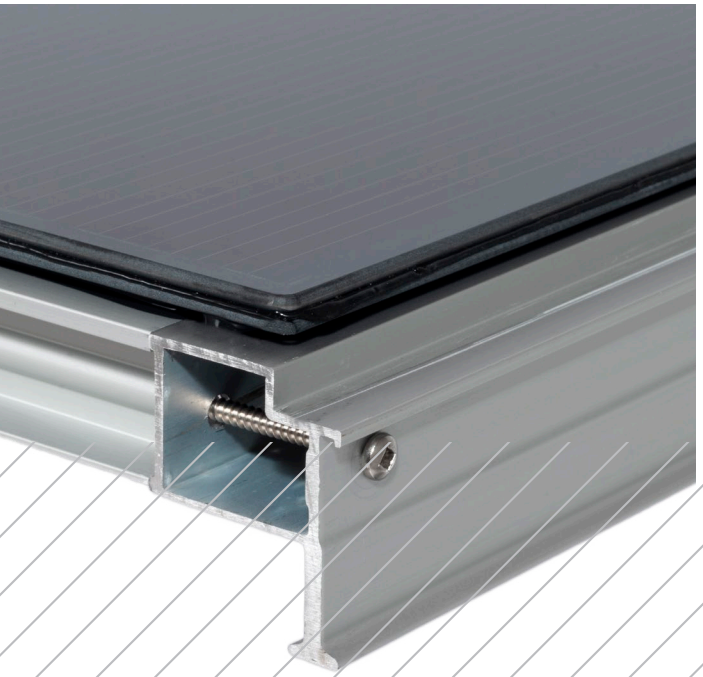






SERIES 6 *PLUS* SOLAR MODULES.

First Solar

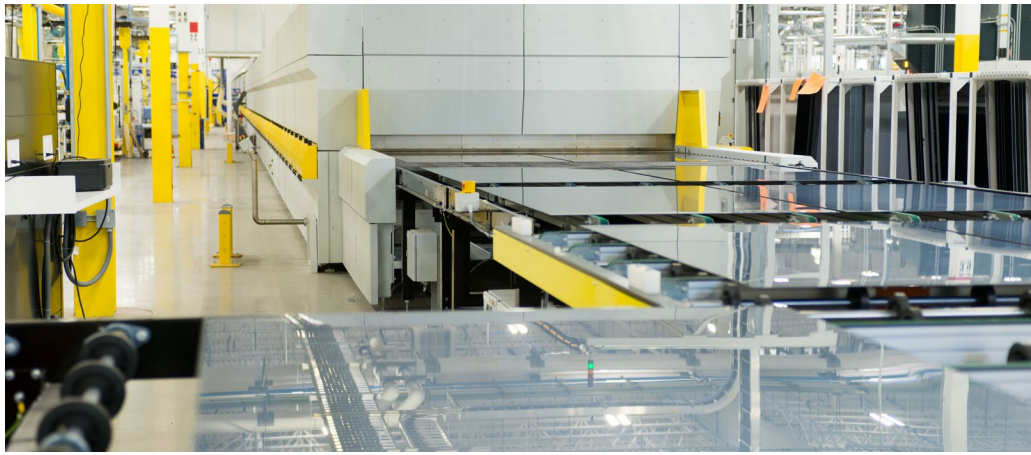
America's Solar Company™.

All across America, First Solar modules are generating electricity — the lifeblood of the US economy. And it's happening with American technology manufactured by American workers using American materials.

First Solar is built on American innovation and ingenuity. We believe that our proprietary, advanced thin film photovoltaic (PV) technology represents the next generation of solar energy generation and provides a high-performance alternative to conventional Chinese crystalline silicon (c-Si) PV modules.

Our mission is supported by thousands of hardworking, dedicated workers who are the cornerstone of our manufacturing footprint, and an American supply chain that spans the country. In addition to our US operations, First Solar's international manufacturing facilities also produce our Series 6 *Plus* family of modules.

For more than 25 years, we've earned our position as the nation's leading solar technology and manufacturing company. We're proud to be known as America's Solar Company.











Uniquely American Solar Modules

- **Technology developed** in our R&D labs in California and Ohio
- **US manufacturing facilities** in Ohio, Alabama, and Louisiana with a production facilitied planned for South Carolina expected to commence commercial operations in the second half of 2026
- **Materials and components** for US-made modules sourced from domestic sources nationwide

Innovation

We never stop moving the needle on what solar technology can do because we consistently invest in innovation. First Solar has spent a cumulative $2 billion (and counting) on R&D and R&D infrastructure. It's these investments that enable us to develop groundbreaking technology such as the proprietary thin film Cadmium Telluride (CdTe) semiconductor that differentiates us from other major solar manufacturers.



Performance

Designed for longevity and manufactured with precision, First Solar modules are built to perform. Our engineers understand the challenges that solar technology faces in the field, and they design our modules for superior performance in critical measurements such as temperature coefficient, spectral response, and shading response. They've also developed our modules to be immune (unlike c-Si panels) to power loss from harmful factors such as cell-cracking, light-induced degradation (LID), and light and elevated temperature induced degradation (LeTID). And First Solar modules have the industry's best warranted annual degradation rate.



Reliability

When you procure First Solar modules, you're investing in certainty. For more than two decades, we've been delivering uniquely American solar technology to power utility-scale electricity-generation projects around the world. It's a proven history that you can count on and why First Solar modules are known for their long-term reliability. Our US-based Global Customer Support Services team provides technical and warranty support over the entire lifecycle of your modules.



The American Solar Technology Advantage.

When you do business with First Solar, you can be confident in your investment. We make a product that we believe in, and back it up with a promise to deliver.

Uniquely American

- Invented in Toledo, Ohio
- Designed and developed in California and Ohio
- Manufactured in Ohio, Alabama, and Louisiana
- 100% of modules manufactured with vertically integrated, end-to-end process under one roof — fewer process steps and faster production times
- 100% QA/QC traceability
- No reliance on Chinese c-Si supply chains

Certainty

- No exposure to international shipping costs for US-made modules
- Insulation from cost and supply volatility sometimes associated with Chinese-made panels
- No exposure to Antidumping and Countervailing Duties (AD/CVD)
- No exposure to Uyghur Forced Labor Prevention Act restrictions

On-time, as Promised

- Network of US distribution centers
- Collaboration with logistics partners optimizes order fulfillment and distribution processes through faster inventory turnaround and improved agility





Warranty Security

- 30-year linear performance warranty
- 12-year limited product warranty
- Module warranties backed by financial stability and staying power — analysts rank First Solar among the world's top module manufacturers for bankability
- Solar industry's only cell-cracking warranty

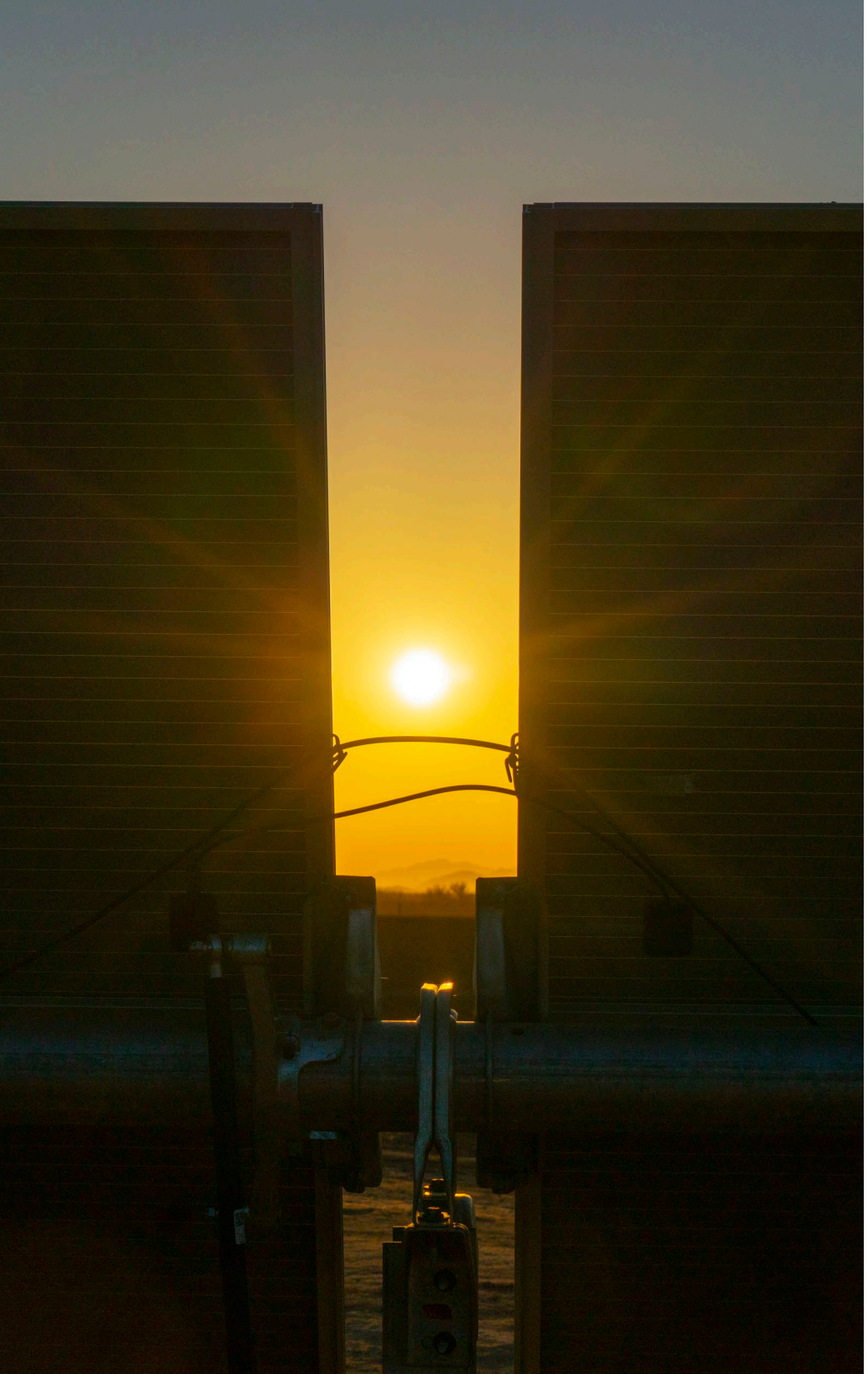
Post-Sales Support

- US-based Global Customer Support Services provides regionalized post-sales technical and warranty support
- One-stop shop for support services over entire PV system lifecycle

Protection from IP Infringement

- First Solar R&D and intellectual property portfolio protected by patents
- Insulates your investment against the risk of litigation, liability, and potential replacement costs for modules affected by IP infringement





Lifetime Energy Advantage.

Series 6 *Plus* solar modules are built to perform and built to last. Combining superior performance with durability — validated by a record of successfully operating for the long haul through a full range of real- world conditions — enables Series 6 *Plus* modules to outperform c-Si solar panels in several key categories. It's the kind of edge that can have a significant impact on ROI over a 30-year warranted product lifetime.

Financial Confidence

The long-term power output reliability of Series 6 *Plus* modules may help you secure expedited project financing and lower insurance premiums for your project.

Industry-Best Degradation Rate

- Series 6 *Plus* family modules are warranted for an annual degradation rate of 0.3%, ensuring they will retain at least 89% of their original performance over their 30-year warranty period (compared to just 85% for typical c-Si panels)
- Series 6 *Plus* V2 modules with CuRe technology are warranted for an industry-best warranted annual degradation rate of 0.1%, ensuring they will retain at least 95% of their original performance over their 30-year warranty period

Superior Shading Response

- Outperform c-Si panels in shaded environments, producing up to 1% more energy annually

Superior Spectral Response

- Deliver up to 4% more annual energy than c-Si modules in humid conditions





Superior Temperature Coefficient

- Industry-leading temperature coefficient, producing up to 2% more annual energy in hot climates

Immunity to Cell-Cracking, LID, and LeTID

- Immune to cell-cracking, which can cause power loss in c-Si modules
- The solar industry's first and only product warranty that specifically covers power loss from cell-cracking
- Immune to Light-Induced Degradation (LID) and Light and Elevated Temperature-Induced Degradation, which can cause power loss of up to 2% in c-Si PERC modules and 1% in c-Si TOPCon modules

Accelerating Solar, One Innovation at a Time.

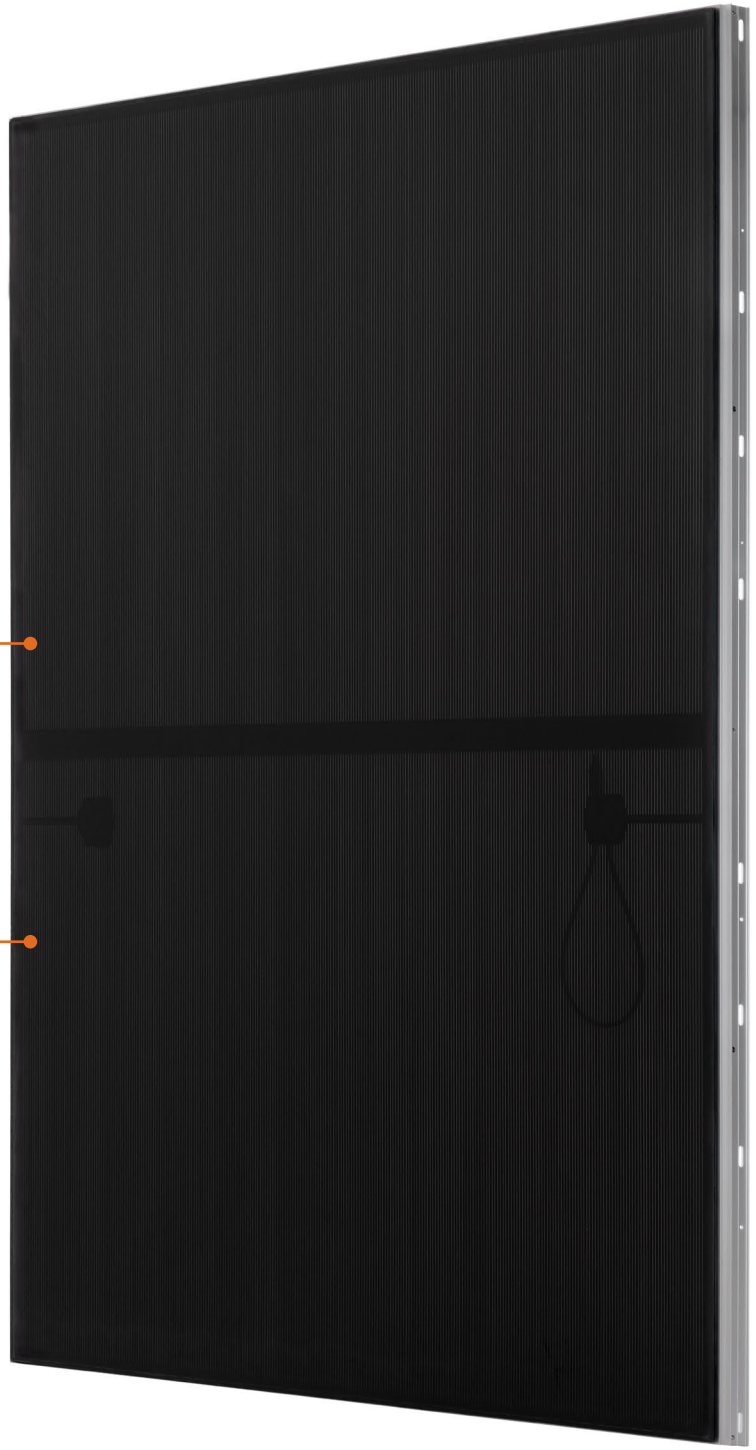
Through more than two decades of innovation and steady performance at solar installations around the world, First Solar modules have driven innovation in utility-scale solar electricity generation.

Take a look inside a Series 6 *Plus* solar module and you'll discover cutting-edge technology and expert workmanship at every level.

POWERFUL SEMICONDUCTOR: First Solar's proprietary thin film CdTe semiconductor is the powerhouse that drives Series 6 *Plus* solar modules. Developed in our R&D labs in California and Ohio, it's uniquely American technology.

HIGH-PERFORMANCE GLASS: Beneath the sleek surface of Series 6 *Plus* modules lies glass panels engineered for long-term performance. The front and back sheets of this low-iron, heat-strengthened glass are tightly bonded with an industrial laminate, creating a nearly impenetrable housing for the semiconductor sealed within.

ECOSYSTEM COMPATIBILITY: Our modules are engineered for compatibility with a wide and steadily growing range of third-party mounting structures and components.







SPEEDSLOTS: Our proprietary SpeedSlots streamline installation times, minimize onsite engineering, and reduce mounting hardware costs by eliminating the need for spacers or alignment jigs. They also offer expanded mounting options for most fixed-tilt and tracking systems.

UNDER-MOUNT FRAME: Durability drives long-term performance. Series 6 *Plus* modules are bonded to robust aluminum under-mount frames that protect glass edges from damage while enabling high performance in soiling prevention and snow shedding. They also facilitate fast, easy two-person installation.

SECURE SHIPPING: Under-mount frames optimize shipping density, reduce breakage, and minimize packaging waste.

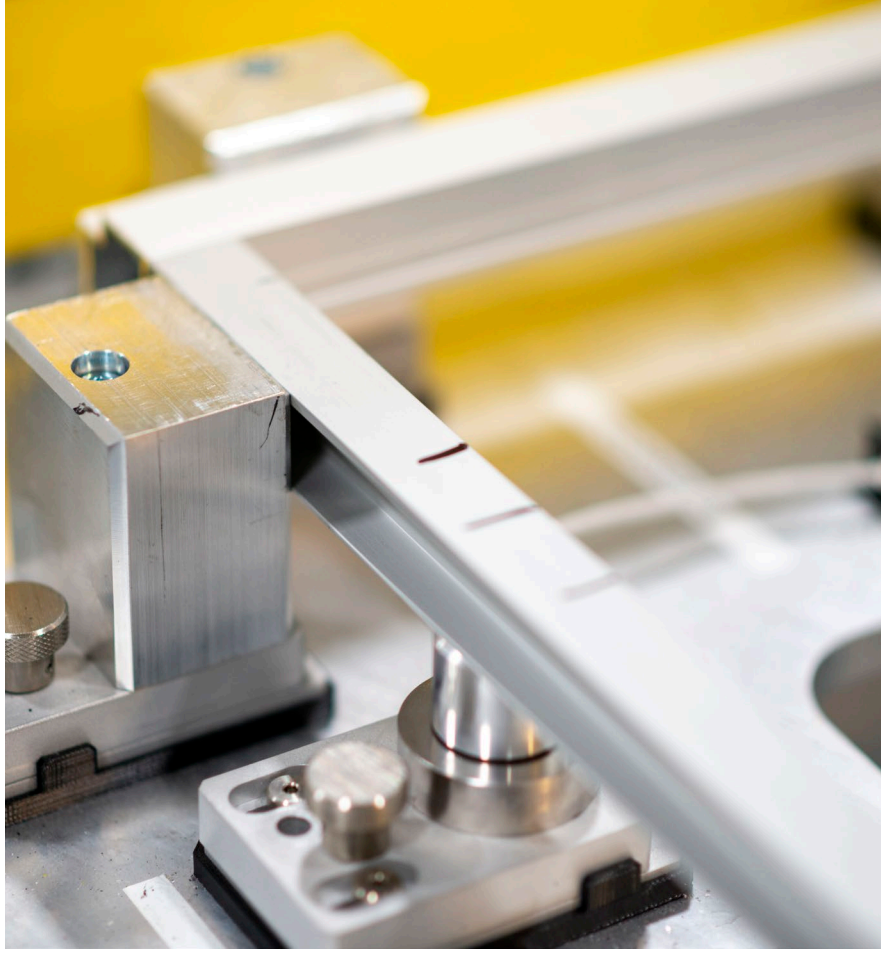
DUAL JUNCTION BOX: The practical design reduces wire management complexity and cost for module-to-module connections.



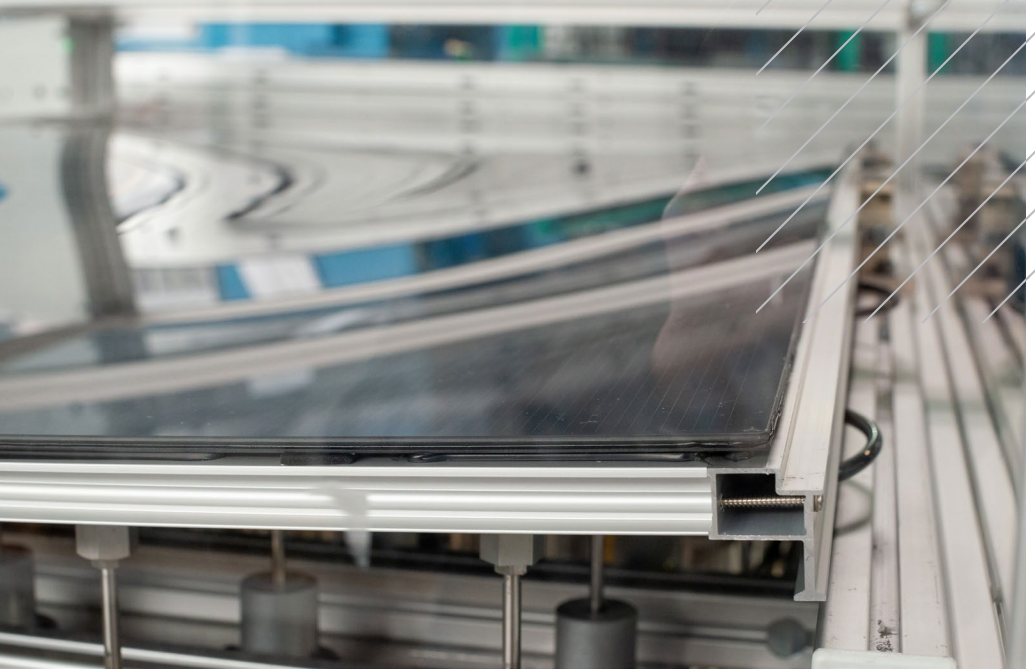
NESTED STACKING: Series 6 *Plus* under-mount frames are designed for a horizontal stacking configuration. Stacked modules can be easily moved around a project site for installation.

Proven Quality and Reliability.

With unparalleled technology and an inventive design to harness it, Series 6 *Plus* modules are built for quality and reliability. More than 25 years of dedicated research and development goes into modules designed and manufactured to withstand the challenges of real-world conditions — and we're proud to stand behind our product.









Quality Assurance

- A highly automated manufacturing process with a stringent quality assurance program produces tightly controlled, globally consistent, high-quality products
- 100% traceable QA/QC program
- A unique 2D barcode laser-engraved on each module enables precise tracking throughout manufacturing, post-sales support, and the useful life of the module

Testing

- Modules tested at our Quality & Reliability (Q&R) lab — one of the largest facilities of its kind in the global solar industry
- Rigorous testing in the lab and in real-world conditions for current manufacturing and development validation
- A full battery of extended durability tests employed, including thermal cycling, humidity-freeze, open-circuit, damp heat, long-term sequential, and more

Certification

- Modules independently tested and certified for reliable performance that exceeds IEC standards — even in extreme environments

Uniquely American Technology.

Developed in First Solar R&D labs in Ohio and California, our thin film CdTe technology redefines what solar technology can do. Engineered for superior energy yield, CdTe converts sunlight into electricity with a layer of semiconductor just 3 percent the thickness of a single strand of human hair. It's an innovative, high-performance technology that you won't find in any other utility-scale solar module.

Technological Superiority

Thin film CdTe technology is the only commercially viable alternative to c-Si technology, which is dominated by China's state-subsidized solar industry. And CdTe boasts several significant performance advantages over c-Si, particularly in terms of energy yield.

R&D Innovation

First Solar is committed to leading the next transformative, disruptive advances in solar technology. We demonstrate that commitment by investing in innovation.

- Approximately $2 billion invested in industry-leading R&D infrastructure
- Our Jim Nolan Center for Solar Innovation features 1.3 million square-feet of dedicated R&D testing space — the largest facility of its kind in the Western Hemisphere









CuRe Technology

Our revolutionary CuRe technology ushers in a new era for the world's most powerful thin film solar technology. Series 6 *Plus* V2 modules with CuRe technology deliver several critical advantages to large-scale solar projects, including:

Superior energy production

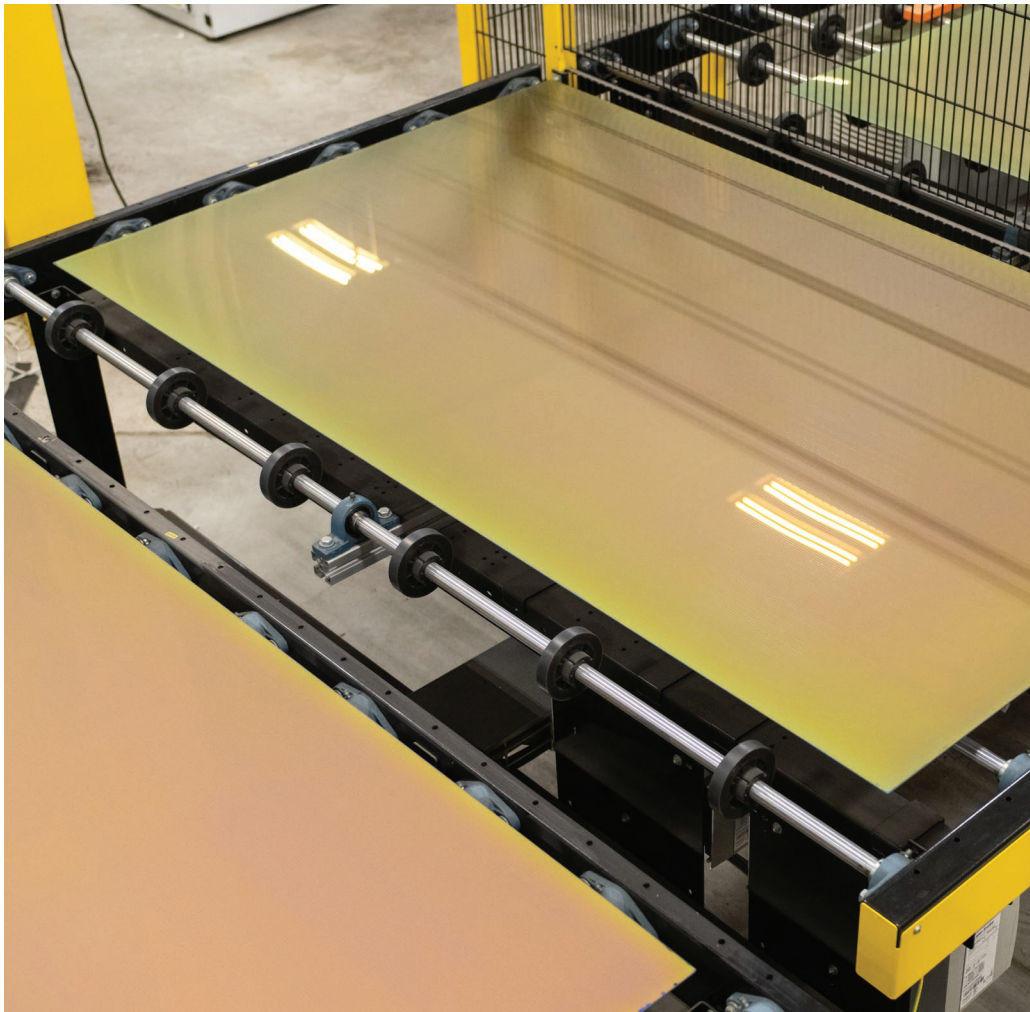
- Compared to the leading bi-facial c-Si modules, Series 6 *Plus* V2 modules can deliver up to 8% more energy over a 30-year product lifetime in hot and humid climates

Industry-best warranted degradation rate

- Warranted annual degradation rate of 0.1% ensures that Series 6 *Plus* V2 modules will retain at least 95% of their original performance over a 30- year warranty period (compared to ~85% for typical c-Si panels)

Industry-best temperature coefficient

- Superior temperature coefficient (-0.22%/˚C) delivers up to 2% more annual energy in hot climates



What Sets Us Apart.

At First Solar factories, state-of-the-art technology, relentless innovation, and technical expertise come together to produce world class solar modules.

But what sets our modules apart goes well beyond how they're made. It's a commitment to investing in a tightly controlled supply chain built on reliable suppliers; a vertically integrated manufacturing process that maximizes quality control; and a skilled workforce that's constantly refining its mastery of materials and production methods.

No Chinese Dependence

First Solar is committed to practicing Responsible Solar. This includes our longstanding leadership in PV recycling, commitment to human rights, transparency, and credible third-party validation — all qualities that distinguish us from Chinese manufacturers.

- First Solar is 100% free from dependence on Chinese c-Si supply chains
- Zero tolerance for forced labor in our manufacturing operations and supply chain — many Chinese manufacturers have supply chains that are believed to be exposed to the Xinjiang region that's infamous for human rights abuses and are subject to US import restrictions under the Uyghur Forced Labor Prevention Act



Vertically Integrated Manufacturing

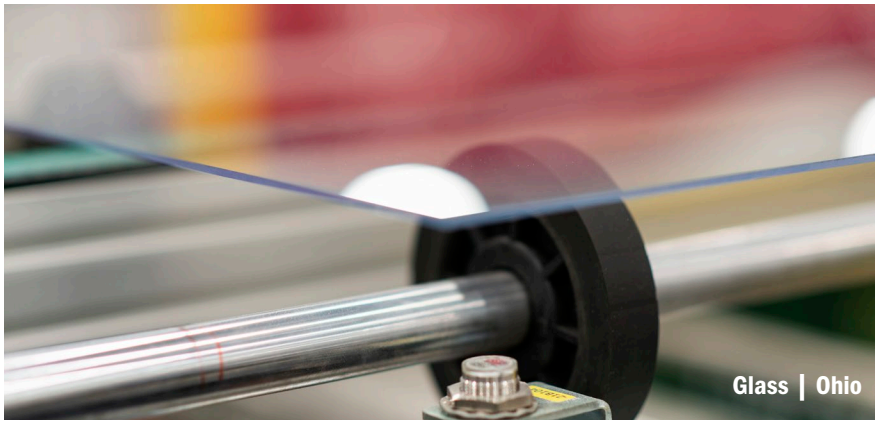
First Solar's fully vertically integrated manufacturing process is unique among solar companies. It's an advanced, highly differentiated process that's been fine-tuned over more than 25 years to ensure globally consistent quality.

- Transformation from glass to semiconductor to cell to module takes place in one tightly controlled, continuous process, all under a single roof (by comparison, c-Si panel modules can require three or four different factories and multiple days to produce and assemble)
- Sheets of glass transformed into ready-to-ship Series 6 *Plus* solar modules in approximately four hours
- Rigorous quality assurance and control
- End-to-end manufacturing process incorporates Industry 4.0 architecture, machine-to-machine communication, artificial intelligence, and Internet of Things connectivity


Critical Minerals | Utah


Glass | Ohio


Soda Ash | Wyoming


Glass | Ohio


Silica | Michigan


Silica | Michigan

Responsible Supply Chain

First Solar has strategically developed a localized domestic supply chain that provides reliability and resilience. Responsibility and sustainability are built into all phases of manufacturing.

- Among the most traceable and transparent supply chains in the solar industry
- Streamlined bill of materials (BoM) for Series 6 *Plus* products sourced from US suppliers for our US-made modules built at our US manufacturing facilities

Responsible Solar.

Every corner of our operation is driven by a sense of responsibility and awareness of our impact on the world around us. By minimizing our footprint, we're helping to power a brighter, more resilient energy future for America.

The Industry's Lowest Environmental Footprint

All PV technologies are not created equally — where and how a module and its components are manufactured significantly impacts its environmental footprint.

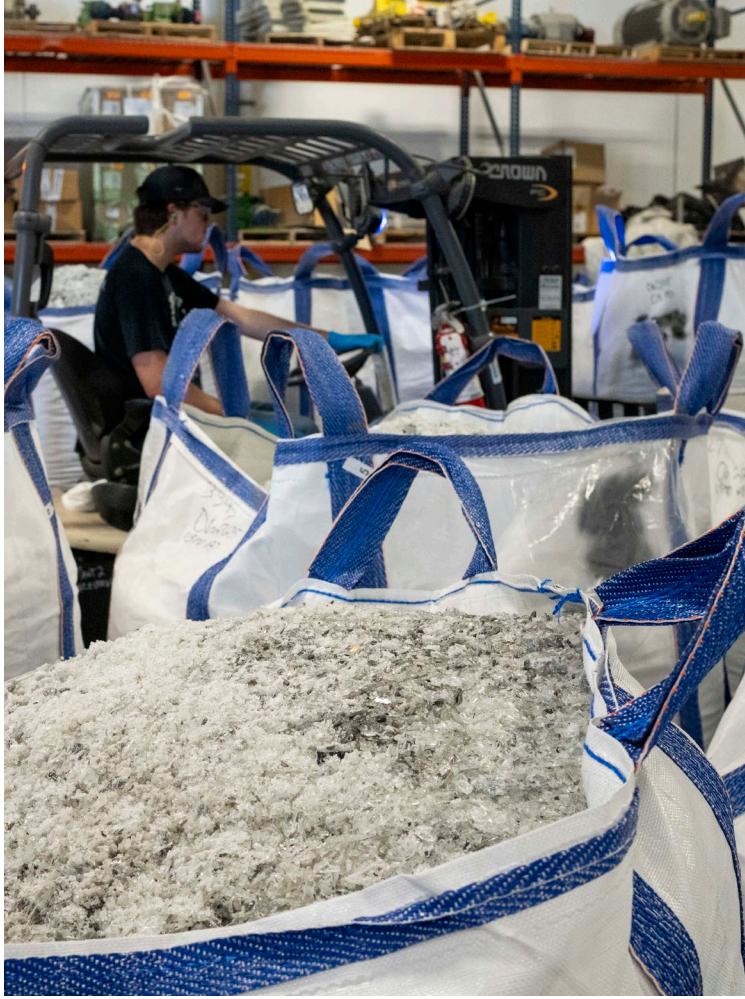
- Lowest carbon footprint — First Solar Series 6 *Plus* modules are up to 2X lower than c-Si modules manufactured in China
- Lowest water footprint — First Solar modules are up to 3X lower than c-Si modules
- For an even higher performing option, First Solar's Series 7 modules have a carbon and water footprint that are up to 4X lower than c-Si modules

Fastest Energy Payback

- First Solar's Series 6 *Plus* modules have an energy payback period that's up to 2X faster than c-Si modules
- For an even higher performing option, First Solar's Series 7 modules have an energy payback period that's up to 5X faster than c-Si modules







High-Value Recycling

- First Solar is the only solar manufacturer with more than 20 years of experience operating high-value recycling facilities on a global and industrial scale
- Recycling process recovers more than 90% of module materials, providing high-quality resources for new solar panels, as well as glass, rubber, and aluminum products
- Recycled more than 400,000 metric tons of PV modules to date — more than any other PV recycler
- Closed loop semiconductor recovery — our semiconductor material can be recycled 41 times over, for a use time of more than 1,200 years
- Industry-leading Recycling Service Agreements help customers meet their module end-of-life (EOL) obligations — simply, cost-effectively, and responsibly

Explore the Series 6 *Plus* Module Lineup.

Powerful technology. Proven performance. Inherent innovation. Meet the Series 6 *Plus* module lineup — precision-crafted workhorses designed to suit any utility-scale solar installation.

Features	Series 6 *Plus* 455 - 480 watts / up to 19.0% efficiency	Series 6 *Plus* Bifacial 455 - 480 watts / up to 19.0% efficiency	Series 6 *Plus* V2 455 - 480 watts / up to 19.0% efficiency
Industry-leading warranted annual degradation rate	0.3%	0.3%	0.1%
Innovative SpeedSlot mounting feature for the industry's fastest installation times and lowest mounting hardware costs	✓	✓	✓
Dual junction box design reduces wire management complexity and cost	✓	✓	✓
No power loss from LiD or LeTID	✓	✓	✓
Immune to and warranted against power loss from cell-cracking	✓	✓	✓
Industry's best environmental profile with the lowest carbon and water footprint, and fastest energy payback	✓	✓	✓
Enhanced soiling and snow shedding from under-mount frame	✓	✓	✓
Short strings enable improved land utilization for space-constrained sites	✓	✓	✓
Overall lower LCOE for a competitive return on investment	✓	✓	✓
Industry-leading temperature coefficient for improved energy performance in high temperature conditions	-0.32%	-0.32%	-0.22%
Responsibly manufactured with zero tolerance for forced labor	✓	✓	✓
Larger form factor than Series 6 for more watts per module, with minimal impact to structure design	✓	✓	✓
Added bifacial energy yield		✓	✓
Application	Fixed Tilt & Tracker	Fixed Tilt & Tracker	Fixed Tilt & Tracker
Market	Global	Global	Global
Hail impact certification	35mm	35mm	35mm
Cover/back glass	2.2mm heat-strengthened/ 2.5mm heat-strengthened	2.2mm heat-strengthened/ 2.5mm heat-strengthened	2.2mm heat-strengthened/ 2.5mm heat-strengthened



Series 6 *Plus*

The Series 6 *Plus* module delivers reliable energy production, optimized design, and outstanding environmental performance. It leads the industry in several key performance metrics: best long-term reliability, best environmental profile, one of the best annual degradation rates, and more.

Series 6 *Plus* Bifacial

The world's first bifacial thin film CdTe solar module. Series 6 *Plus* Bifacial combines all the quality, reliability, and energy performance of Series 6 *Plus*, with added bifacial energy yield. These powerful, dual-sided modules boost energy capture by absorbing photons from direct sunlight as well as light reflected off the ground. Expanded installation options support optimal energy generation.

Series 6 *Plus* V2 featuring CuRe technology

Next-generation technology inspires unmatched performance. Series 6 *Plus* V2 is the first module to deploy First Solar's groundbreaking CuRe technology — a revolutionary new semiconductor enhancement that drastically reduces long-term degradation and improves temperature coefficient.

In addition to CuRe technology, Series 6 *Plus* V2 comes fully equipped with all the features of Series 6 *Plus* and Series 6 *Plus* Bifacial modules.

Series 6 *Plus*: The World's Best-Selling Thin Film Solar Modules.

Since our uniquely American solar modules first rolled off a production line in Ohio more than two decades ago, First Solar has become firmly established as the country's leading solar technology and manufacturing company. We're proud to be America's Solar Company.

Our Series 6 *Plus* family of modules brings together inspired design, relentless innovation, and uncompromising performance. It delivers some significant advantages over conventional c-Si solar panels, including:

- Unmatched quality and reliability
- More lifetime energy per nameplate watt
- Industry-best warranted annual degradation rate
- Superior shading response
- Superior spectral response
- Immunity to cell-cracking, LID, and LeTID
- Industry-leading carbon footprint, water footprint, and energy payback time



First Solar

LEADING THE WORLD'S
SUSTAINABLE ENERGY FUTURE

Let's Connect

Contact us to learn more about our industry-leading Series 6 *Plus* solar modules.

firstsolar.com/S6 | modulesales@firstsolar.com

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