



Responsible Solar.



From raw material sourcing and manufacturing through end-of-life module recycling, First Solar's approach to technology embodies sustainability and a responsibility towards people and the planet.

Environmental

Responsible Solar is about minimizing environmental life cycle impacts and transforming waste into resource to provide solutions to climate change, energy security, water scarcity, and a resource-constrained world.

Lowest Environmental Footprint In The Industry

- **2.5X LOWER** carbon footprint
- **3X LOWER** water footprint
- **2X FASTER** energy payback time than c-Si panels made in China

Industry Leading High-Value PV Recycling Services

- **1st** global PV recycling program in the industry
- **ONLY** solar manufacturer with global in-house PV recycling capabilities
- **90%+ RECOVERY** of module materials for reuse

Resource-Efficient Manufacturing Operations

- End-to-end manufacturing in **4.5 HOURS** vs. up to 3 days for c-Si
- **98% LESS** semiconductor material than c-Si
- **RE100** committed

RE100

"We're driven by a desire to make better solar. Solar that doesn't pay lip service to sustainability but embodies it. Solar that considers the social and environmental impacts, and works hard to make people's lives healthier. Solar that has no tolerance for the use of forced labor either in its manufacturing or its supply chain. Solar that meaningfully supports the fight against climate change."

Mark Widmar
Chief Executive Officer
First Solar





Social

Responsible Solar is about providing a safe, diverse and inclusive workplace for all our associates and ensuring we operate a responsible supply chain with zero tolerance for forced labor.

Safe, Inclusive and Diverse Workplace

- **~5X LOWER** global injury rate than the glass manufacturing industry average
- **EVERY** external candidate search includes diverse individuals in the selection pool
- **33% DIVERSE** Board of Directors

Contributing to Local Communities and Promoting a Just Transition

- **\$11 MILLION INVESTED** in efforts to revitalize American communities and bridge racial gaps in health, wealth, and opportunity
- **\$2.5+ MILLION DONATED** since 2017 to promote education, reduce inequalities, provide access to clean energy and water, and mitigate the impacts of Covid-19
- **42,000+** direct, indirect and induced jobs across the supply chain worldwide

Responsible Sourcing with Zero Tolerance for Forced Labor

- **1** set of global specifications for material components resulting in a tightly controlled supply chain
- **ZERO** module components sourced from Xinjiang, China
- **COMPREHENSIVE** supply chain management — from screening and auditing to transparent reporting

Governance

Responsible Solar focuses not on meeting industry standards, but exceeding them and promoting environmental, social and governance best practices.

- **1st** PV products in the **EPEAT** registry for sustainable electronics
- **1st** of the world's largest top 10 PV solar module manufacturers to join the **RESPONSIBLE BUSINESS ALLIANCE**
- **10+ YEARS** transparent reporting on sustainability performance



Learn more about First Solar's commitment to responsible solar by visiting firstsolar.com/responsiblesolar.

