

POWERING A SUSTAINABLE FUTURE
WITH CLEAN ENERGY



Lion Solar Company Brochure

October 2026

LION[#]SOLAR

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01

ABOUT US

About us



Lion Solar is a U.S.-based clean energy manufacturer committed to providing customers with new energy products and solutions. Supported by localized manufacturing capabilities and a U.S. supply network, Lion Solar offers locally manufactured solar modules and aluminum frames. We maintain a supply chain that has undergone non-FEOC assessments and enables end-to-end traceability. With a customer-centric approach, we deliver reliable products and services to the market.

Lion Solar's products are designed for stable, long-term performance. Our solar modules have obtained ETL, UL, CE, and TÜV certifications, providing reliable quality and lasting assurance throughout the lifecycle of every project.



Industry Experience

6 Year+



Manufacturing Bases

2 Major



Patents No.

15+



Global Staff

1000+



About us

Key Strengths



U.S.-Based Manufacturing



Localized Supply Network



Non-FEOC Assessed Supply Chain



End-to-End Traceability



Reliable Product Quality



Customer-Centric Service

Global Presence

 U.S.-Based Manufacturing

HEADQUARTER

 California

MANUFACTURING

 PV Module

 Georgia

 Aluminum Frame

 Texas



CAPABILITIES

2022

Supply Chain Traceability



Aligned with U.S. Energy Policies

Lion Solar aligns its supply chain with applicable U.S. trade and energy policies, supporting customers with greater confidence in a changing regulatory environment.



Non-FEOC Assessed Supply Chain

Key entities within our supply chain have undergone non-FEOC assessments, helping customers better assess supply chain eligibility and reduce potential compliance risks.



End-to-End Traceability

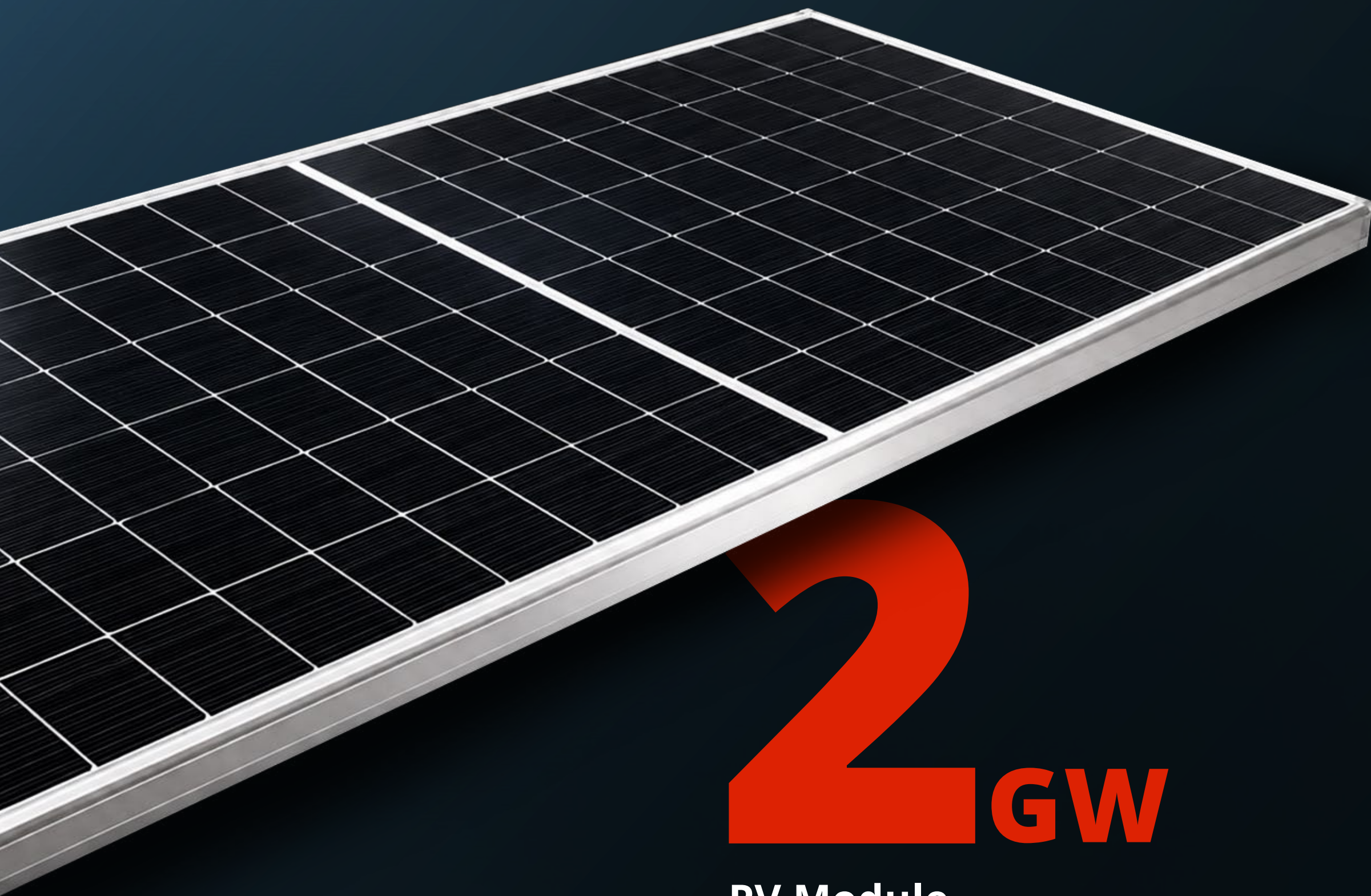
Our supply chain is designed to provide visibility across key stages, from sourcing and manufacturing to final delivery, supporting informed decision-making and responsible sourcing.



Secure & Reliable Supply

By combining localized capabilities with a broader U.S. supply network, we are positioned to support customers with dependable product availability and delivery.

Manufacturing Capacity



2 GW

PV Module

Annual Capacity



5 GW

Aluminum Frame

Annual Capacity

Quality Assurance

Designed to deliver stable, long-term performance throughout the project lifecycle

PRODUCT QUALITY



High-quality solar products with rigorous testing



Strict quality control (IQC, IPQC, FQC, OQC) to ensure consistency

WARRANTY

15 Year

Product warranty

25 Year

Linear power warranty for long-term performance and energy output

INDUSTRY RECOGNITION



2024 RETC
"Overall Highest Achiever"



Global Top 500
New Energy Enterprises



Member of SEIA
(Solar Energy Industries Association)



Dun & Bradstreet
Registered

CERTIFICATIONS

ISO9001

Quality Management Systems

ISO14001

Environmental Management Systems

ISO45001

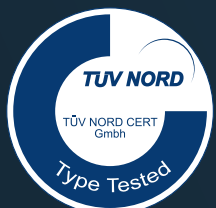
Occupational Health and Safety
Management Systems



UNITED STATES
PATENT AND TRADEMARK OFFICE



EU IPO
EUROPEAN UNION
INTELLECTUAL PROPERTY OFFICE



03 SOLUTIONS

PV Module

 Engineered for Reliable Energy Generation

With 2 GW of pv module manufacturing capacity in Georgia, U.S., Lion Solar leverages localized manufacturing capabilities to deliver reliable pv modules for the U.S. market. Our module products cover P-type, N-type, BC, and HJT technologies, with power outputs ranging from 425W to 740W, serving diverse applications from residential and commercial & industrial (C&I) projects to utility-scale solar installations.



High Power Output



Long-Term Reliability



Low LID/LETID Degradation



Excellent Anti-PID Performance



Bifacial Energy Gain



Wide Weather Adaptability

Product Series

Regular P-Type / N-Type Series



Wide Power Range

Available across multiple power classes to meet different project requirements and system configurations.



High Energy Yield

Optimized for enhanced energy generation and improved overall system performance.



High Power & Reliability

Combines high power output with reliable long-term performance for a wide range of solar applications.



Versatile module solutions designed to meet diverse project requirements, from distributed generation and commercial & industrial applications to utility-scale solar projects.



Product Series

Enhanced Series



Engineered with enhanced structural strength and durability, the Enhanced Series is designed to deliver reliable performance and protection under demanding environmental conditions.



Quarter-Cut Technology

Advanced quarter-cut cell technology helps optimize module structure, electrical performance, and overall reliability.



Reinforced Steel Frame

A reinforced steel frame enhances resistance to hail, strong winds, and other demanding environmental conditions.



Lower Degradation over 30 Years

Designed to maintain stable power output with lower degradation over a 30-year operating period.

Aluminum Frame

 Precision-Manufactured for Structural Reliability



Lion Solar operates an aluminum frame manufacturing facility in Texas, U.S., with an annual capacity of approximately 25,000 metric tons, supporting up to 5 GW of pv module production each year.



Rapid Sample Delivery

Efficient sampling support for faster product evaluation and application.

High-Strength Materials

High-performance materials engineered to exceed 6005-T6 strength standards for enhanced durability.

Lightweight & Structurally Stable

Optimized design balancing lightweight construction with structural stability.

Compliance Certifications



Project Portfolio



From residential and commercial projects to utility-scale applications, Lion Solar provides reliable new energy products and solutions across diverse markets. We are committed to supporting the U.S. energy transition and building a cleaner, more sustainable energy future.

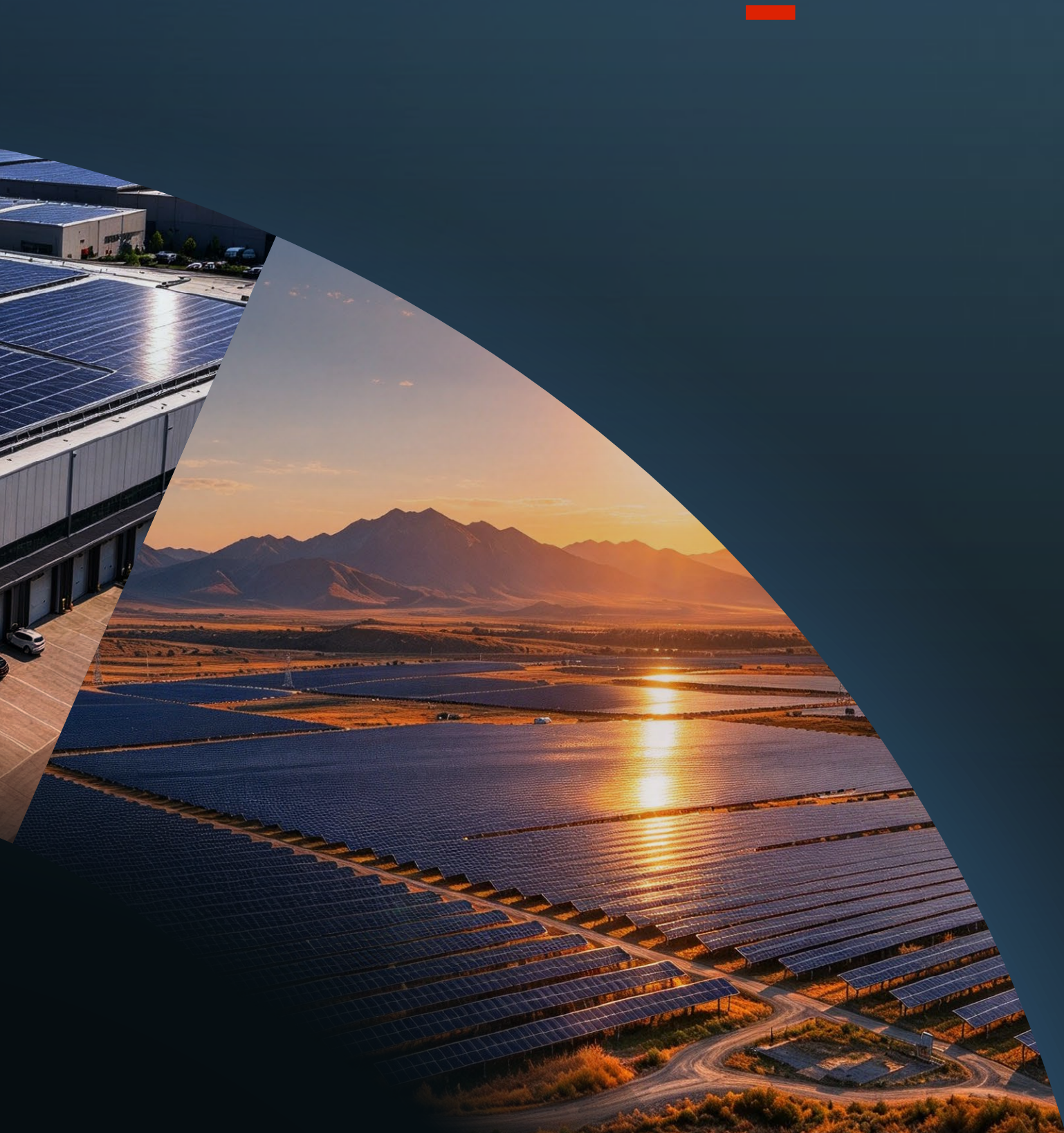
Residential



Industrial & Commercial



Large-scale Power Plants



04

SUSTAINABILITY

Sustainability Commitment

Energy for a Shared Planet

Our commitment to sustainability extends beyond clean energy. At Lion Solar, we believe sustainable growth requires a responsible approach across every aspect of our business. We integrate environmental responsibility, social values, and sound governance into our operations, from responsible manufacturing and efficient resource use to employee well-being, community engagement, compliance, and ethical business practices. By continuously improving our operations and strengthening our commitment to responsible development, we strive to create lasting value for our customers, employees, communities, and other stakeholders, while contributing to a cleaner and more sustainable energy future.



Sustainability Commitment

 Environment, Social & Governance



Environment

We are committed to promoting responsible manufacturing and efficient use of resources. Through continuous efforts to improve environmental performance, we seek to reduce our impact and support a lower-carbon future.



Social

We value our people and the communities in which we operate. By fostering a safe, inclusive, and collaborative workplace and contributing to local communities, we strive to create lasting social value.



Governance

We uphold responsible business practices through transparency, compliance, and integrity. Strong governance and responsible supply chain management help us build lasting trust with customers, partners, and stakeholders.





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