



PV CELL MANUFACTURING | MADE IN USA

Empowering American Clean Energy from the Heart of North Carolina

Bovie Solar, and Inox Solar Americas Company, state-of-the-art PV Cell Manufacturing Facility in Greenville, North Carolina marks a bold step forward in our mission to localize clean energy production and reinforce America's solar supply chain. As a cornerstone of our U.S. manufacturing strategy, this advanced facility reflects our unwavering commitment to innovation, sustainability, and energy independence.

TECHNOLOGY & PURPOSE

Bovie Solar's Greenville cell facility will manufacture next-generation monocrystalline solar cells that serve as the energy-producing heart of our PV modules. These advanced cells are the foundation of our industry-leading Gamma Series™ Monofacial and Vega Series™ Bifacial PV modules—renowned for their superior power output, performance, and long-term reliability across all applications and environments.

Engineered with precision and produced under strict quality control standards, our solar cells are built to deliver sustained value for residential, commercial, industrial, and utility-scale solar installations.

STRATEGIC IMPACT

As a key pillar in Bovie Solar's U.S. expansion and localization strategy, this manufacturing hub will:

- **Strengthen domestic supply chain resilience**
Reduce reliance on imported components and increase energy security.
- **Create high-quality American jobs**
Employ 800+ professionals in clean energy manufacturing and innovation.
- **Support U.S. clean energy and climate goals**
Align with U.S. energy policy and emissions reduction commitments.
- **Advance the Transition to a Sustainable Energy Future**
Contribute significantly to building a cleaner, greener tomorrow through domestic solar manufacturing excellence.

FACTORY DETAILS

Facility Name: Bovie Solar Technology (North Carolina) LLC

Opening Date: H2 2026

Facility Size: 515,460 square feet

Annual Production Capacity: 3.0 GW of high-efficiency monocrystalline solar cells

Employees: 800+ highly-skilled professionals

Cell Technology: High-efficiency, high-power monocrystalline solar cells

With this PV cell facility, Bovie Solar is not only investing in manufacturing capacity—but in America's clean energy future.

Together, let's power progress, resilience, and sustainability—Made in the USA.

MANUFACTURING EXCELLENCE

Where Innovation Meets Precision

At Boviet Solar, manufacturing excellence is the cornerstone of our identity. We take immense pride in producing high-performance PV cells through a world-class manufacturing approach that blends advanced technology, skilled craftsmanship, and rigorous quality control.

From our factories in Vietnam to our new state-of-the-art facility in North Carolina, USA, every Boviet Solar product is built with engineering precision, operational discipline, and a commitment to quality that ensures long-term performance and durability in real-world conditions.

KEY PILLARS OF OUR MANUFACTURING EXCELLENCE

At Boviet Solar, our manufacturing focus is centered on excellence, innovation, and sustainability. Here's how we bring these principles to life in our manufacturing operations:

• Excellence in Quality

We uphold the highest standards of quality in every aspect of our manufacturing process. From the sourcing of raw materials to the final inspection of finished products, we prioritize excellence to ensure that our solar panels meet or exceed industry standards and customer expectations.

• Innovation in Technology

We invest in cutting-edge technology and research to drive innovation in solar panel manufacturing. By staying at the forefront of technological advancements, we're able to continuously improve the efficiency, reliability, and performance of our products.

• Sustainability in Practice

Sustainability is at the core of our manufacturing practices. We are committed to minimizing our environmental impact by reducing energy consumption, water usage, and waste generation. Our facilities are designed with sustainability in mind, incorporating eco-friendly materials and processes wherever possible.

• Scalability and Flexibility

Our manufacturing operations are designed for scalability and flexibility to meet the growing demand for solar energy worldwide. Whether it's scaling up production to meet increased demand or customizing products to meet specific customer needs, we have the capability to adapt and respond quickly to market dynamics.

• Employee Safety and Well-being

We prioritize the safety and well-being of our employees in all aspects of our manufacturing operations. We provide ongoing training, resources, and support to ensure that our team members have the knowledge and tools they need to perform their jobs safely and effectively.

• Continuous Improvement

We are committed to continuous improvement in our manufacturing processes and practices. Through regular assessment, analysis, and optimization, we strive to identify opportunities for efficiency gains, cost savings, and quality enhancements to deliver greater value to our customers.

