BOVIET SOLAR

MANUFACTURING EXCELLENCE

Precision, Optimization, and Innovation

At Boviet Solar, manufacturing excellence is a foundational pillar of our business strategy driving our ability to deliver high-performance, reliable solar solutions that consistently exceed global quality and efficiency standards. Our approach is built on precision engineering, continuous process improvement, and advanced automation that enable us to produce top-tier PV modules trusted by customers across residential, commercial, industrial, and utility-scale markets.

We operate advanced manufacturing facilities in both Vietnam and the United States. These state-of-the-art sites are equipped with fully automated production lines and cutting-edge technologies to ensure high-volume, high-accuracy output. Our capabilities include the manufacturing of monocrystalline PERC and N-Type solar cells, as well as Gamma Series™ Monofacial and Vega Series™ Bifacial PV modules. Utilizing innovations such as half-cut cell architecture, multi-busbar designs, and bifacial glass-glass construction, our products are designed to deliver superior energy yield, performance, and durability in all environments.

Quality is embedded in every step of our manufacturing process. Rigorous testing and quality assurance protocols, ranging from electroluminescence (EL) imaging to IV curve and flash testing, ensure that each module meets strict performance and reliability standards. Our quality management systems are certified under ISO 9001 (Quality Management), ISO 14001 (Environmental Management), and ISO 45001 (Occupational Health & Safety), demonstrating our unwavering commitment to excellence, safety, and environmental stewardship.

Boviet Solar's manufacturing operations have also been independently validated by Black & Veatch, a globally respected engineering and EPC firm. This third-party assessment reinforces the robustness, scalability, and credibility of our production systems, further solidifying our bankability and value as a long-term solar partner.

USA MANUFACTURING

Phase I : PV Module Manufacturing

Boviet Solar's Phase I PV module manufacturing facility in Greenville, North Carolina, USA, is a cornerstone of the company's long-term commitment to U.S.-based clean energy manufacturing. The 500,000+ square-foot facility officially began production on April 24, 2025, representing a $294 million investment. Phase I has the capacity to produce up to 3.0 GW of PV modules annually, focused on delivering top-performing Gamma Series™ Monofacial and Vega Series™ Bifacial PV modules. Already, Phase I has created 375 new direct jobs, strengthened North Carolina's clean energy workforce and supported the region's economic development.

Phase II : PV Cell Manufacturing

In parallel, Boviet Solar is developing Phase II, a brand-new PV cell manufacturing facility also located in Greenville. Construction began in January 2025, and the 600,000-square-foot facility will manufacture advanced P-Type and N-Type solar cell technologies. With an initial production capacity of 3.0 GW, Phase II represents an additional $100 million investment. Production is scheduled to begin in Q4 2027, and the facility will create approximately 908 new direct jobs, bringing total employment across Boviet Solar's Greenville campus to about 1,310 employees.

Boviet Solar's long-term U.S. manufacturing roadmap includes strategic plans to scale the Greenville campus to 3.0 GW of PV module production and 3 GW of PV cell production in 2027, enabling greater domestic content capabilities and supply chain resiliency. This expansion supports Boviet Solar's mission to deliver high-performance, reliable, and bankable solar technology to customers across the residential, C&I, community solar, and utility-scale markets.

Boviet Solar is deeply committed to U.S. manufacturing, job creation, and long-term economic development. Our Greenville facilities represent one of the most significant recent investments in U.S. solar manufacturing, reinforcing our dedication to strengthening America's clean energy infrastructure and supporting the nation's transition to a more sustainable energy future.

Whether in Vietnam or the United States, Boviet Solar's operations are guided by a culture of innovation, sustainability, and continuous improvement. For us, manufacturing excellence is more than a process, it is a mindset that empowers our ability to build solar modules that are engineered to perform, built to last, and trusted to deliver results worldwide.

Regional Positive Impacts: Economic, Social, and Environmental Benefits

Economic Benefits

Boviet Solar's Greenville manufacturing campus delivers significant economic value to North Carolina and the broader region:

- $394+ million total investment through Phases I and II.
- Estimated regional economic impact in the range of approximately $700 million to $900 million, including direct, indirect, and induced benefits for Greenville, Pitt County, and the surrounding region.
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- More than 1,310 direct jobs created across engineering, manufacturing, quality, maintenance, logistics, and administrative functions.
- Hundreds of indirect and induced jobs supported through suppliers, construction contractors, transportation partners, and service providers.
- Significant growth in local procurement, benefiting regional businesses in manufacturing, fabrication, logistics, and facility services.
- Long-term stabilization of the region's economy through high-quality, skilled manufacturing jobs that support families and create upward mobility.
- Boost to North Carolina's position as a national hub for clean energy manufacturing, attracting additional investment from energy and technology companies.

Social Benefits

The Greenville facilities contribute to community well-being and workforce development:

- Creation of diverse career pathways for residents, including engineers, technicians, machine operators, and skilled trades.
- Partnerships with local schools, technical colleges, and universities to provide training, upskilling, and apprenticeships for the clean-energy workforce.
- Increased access to stable, long-term employment that supports economic mobility and community revitalization.
- Development of a high-performance workplace grounded in safety, quality, inclusion, and continuous improvement.
- Support for local nonprofits, community engagement programs, and regional education initiatives focused on STEM and sustainability.

Environmental Benefits

Boviet Solar's investment accelerates the transition to a cleaner energy future:

- Manufacturing of up to 6.0 GW of U.S.-made solar technology once both phases are fully scaled (modules + cells).
- Increases the availability of domestic-content solar solutions, supporting cleaner energy deployment across the nation.
- Reduction of millions of metric tons of CO_2 annually through the deployment of solar projects powered by Boviet Solar technology.
- Improved U.S. energy security and reduced dependence on foreign-sourced solar components.
- Facilities operate with strong environmental stewardship, including energy-efficient manufacturing processes, waste reduction systems, and responsible materials management.
- Supports circular-economy goals through future plans for recycling, material recovery, and sustainability certifications.

VIETNAM MANUFACTURING

Boviet Solar currently operates 3.0 GW of PV cell production capacity and 3.0 GW of PV module production capacity at its facility in Vietnam**,** ready to support the needs of our growing customer base across global solar energy markets**.** In addition to commercial manufacturing, these production lines are also utilized for research and development activities**,** allowing us to drive continuous innovation in solar technology and enhance the performance, reliability, and efficiency of our next-generation solar products.