



Mini BLA and BLA for Solar PV

As the renewable energy industry continues to grow, driven by a commitment to decarbonization, it faces the challenge of meeting rising demands for electrification and durable infrastructure. The key to success lies in accelerating project delivery and reducing costs, while also optimizing project value, increasing installation longevity, and mitigating risk.

Solar Project Challenges

To address industry challenges, utility-scale solar owners, developers, engineers, EPCs, and O&Ms are seeking high-quality, reliable electrical balance of systems (EBOS) solutions to unlock the full potential of their projects.

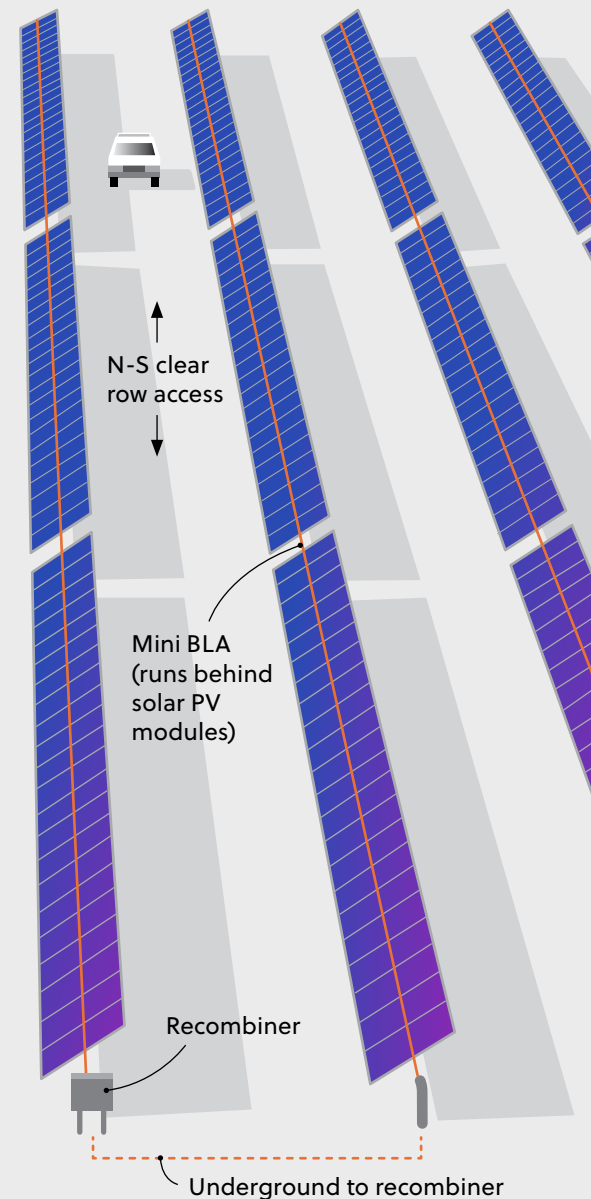
What Are Shoals BLA and Mini BLA Solutions for Solar Projects?

Transform these challenges into opportunities with the right trunk bus solutions for your utility-scale solar project. Industry-leading, prefabricated, plug and play Big Lead Assembly (BLA) and mini BLA from Shoals are tailored to your project needs.

Leverage our extensive expertise in solar PV and electrification, along with our commitment to innovation, to optimize your solar energy projects. Mitigate risk and maximize your energy assets while benefiting from accelerated project timelines, enhanced cost-effectiveness, as well as robust and sustainable design.

BLA is our renowned aluminum trunk bus system that combines the functionality of cable assemblies, combiner boxes, and fusing all into one. Primarily installed above ground, it reduces installation time and costs, while minimizing the need for trenching. BLA's factory-built joints with under/over mold provide long-term reliability and external protection, eliminating the need for installing on-site insulation piercing connectors.

Shoals **mini BLA** pairs with the fused recombiner for protection and a disconnect point for N-S unobstructed row access. This solution lowers yearly maintenance, installs like traditional home run wiring, and delivers reliable power for stacked tracker configurations over long distances.



Key Benefits



Streamline design and execution

Rely on our top-quality wiring solutions and site design services for any configuration and location.



Minimize project risk

Eliminate in-field installation errors by using trunk buses with stringent in-factory quality standards.



Ensure quality and longevity

Choose in-house crafted, durable solutions tested beyond regulatory standards for exceptional reliability.



Increase energy yield, accelerate project timeline, and cut costs

Optimize your project with quality prefabricated solutions that minimize materials and on-site labor.



Boost project efficiency

Simplify and drive efficiency across design and key processes, from sourcing to installation and O&M.



Meet your sustainability goals

Lower your carbon footprint with EBOS solutions that optimize material use and minimize waste.



Adhere to regulatory standards

Employ top-tier EBOS solutions to meet local compliance standards.



Streamline procurement

Partner with one trusted supplier to holistically address all your EBOS solution needs.



Satisfy domestic content requirements

Choose Tennessee-manufactured EBOS solutions.

Why Shoals?



Extensive solar PV experience and expertise

Since 1996, Shoals has led the renewable energy sector with our cutting-edge technologies and innovative EBOS and wiring solutions.



Both standardized and customized solutions

We offer standard solutions or collaborate with you to customize our solutions to meet your project's unique needs.



Top industrial capabilities in the sector

Shoals' innovative equipment and processes enable large-scale industrial production. Our world-class welding and molding techniques ensure long-term safety and reliability.



Simplified procurement for all components

We offer an extensive portfolio of plug-and-play electrical components and wiring solutions for all your renewable energy project needs.



Industry-leading EBOS and wiring solutions provider

Our customizable plug-and-play solutions reduce material, installation, labor, and O&M costs for the system's lifespan, lowering project expenses.



Design, engineering, and long-term care

Our engineering and customer care teams provide continuous support to optimize your solar installations' layout and performance.



Innovation is in our DNA – Inventing Simple

With over 47 patents in the U.S. and globally, we continuously innovate to make our solutions safer, more reliable, and responsive to the renewable energy industry's evolving needs.



Proudly made in Tennessee

Experience the advantage of products manufactured locally, where our commitment to quality and precision ensures superior performance and reliability.

Contact Us

Optimize your solar energy projects with Shoals' expert advice. Discuss your goals and share your drawings to unlock customized cutting-edge BLA and mini BLA solutions for any architecture.

Connect with us today.

