



# Solutions for Global Markets

As the renewable energy industry rapidly grows, driven by a commitment to decarbonisation, it must meet the rising demands for electrification and durable infrastructure. Success hinges on accelerating project delivery and reducing costs, while also optimising project value, increasing installation longevity, and mitigating risk.

## Solar Project Challenges in Europe and Globally

In regions with limited space and uneven terrain, utility-scale solar owners, developers, EPCs, and O&Ms struggle with solar architecture to maximise energy output. They seek electrical balance of systems (EBOS) and wiring solutions tailored to their specific needs and local standards, prioritising top-notch quality, safety, reliability, and sustainability to unlock the full potential of their projects.

## What are Shoals EBOS Solutions for European and Global Markets?

Transform challenges into opportunities with industry-leading, prefabricated, plug-and-play solar solutions tailored to your needs. Leverage our expertise in renewables and our commitment to innovation to optimise your solar projects. Mitigate risk, maximise energy assets, and benefit from faster timelines, cost-effectiveness, and sustainable design.

## EBOS Global Solution Lines



**BLA/mini BLA** is our renowned aluminum trunk bus system that collects strings and reduces copper home runs needed to reach a combiner box. Installed mainly above ground, it cuts installation time and costs, while minimising the need for civil works. BLA's factory-built joints with under/over mold ensure long-term reliability and external protection. For unobstructed row access, mini BLA combines with Super Combiner for fuse protection and a disconnect point. This solution lowers yearly maintenance, installs like traditional home run wiring, and delivers reliable power for stacked tracker configurations.



**SuperJumper** is a wiring solution for open row solar sites, delivering reliable power over long distances to the combiner or DC trunk bus in stacked tracker configurations. It combines the simplicity of copper home run installation with cost-effective materials and reduced weight.



**Combiners/High Current Combiners/Super Combiners** merge the electrical output of multiple panels into a single feed, enhancing safety and organisation. Ideal for reducing installation costs, improving reliability, and cutting yearly maintenance, they complement EBOS products and offer the simplicity of traditional home run/harness wiring.

---

## EBOS FOR EVERY LAYOUT

- **Individual prefabricated home runs** + combiner box
- **Harness** + high current combiner box
- **Harness + SuperJumper** + high current combiner box
- **DC trunk bus mini BLA North-South** + super combiner box
- **DC trunk bus BLA East-West** + disconnect box

## Key Benefits:



### Simplify project design and execution

Design your solar project confidently, knowing our top quality EBOS and wiring solutions are available for any configuration.



### Reduce project risk

Minimise risk by using components with stringent in-factory quality standards that eliminate in-field installation errors and thermal aging.



### Ensure quality and longevity

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



### Streamline procurement

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



### Meet your sustainability goals

Lower your carbon footprint with EBOS solutions that optimise material use and minimise waste.



### Boost project efficiency

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



### Meet regulatory standards

Adhere to local regulatory standards with top-tier EBOS solutions that are IEC+AS/NZ compliant.



### Support the local economy

Purchase assemblies & components made with locally sourced inputs.

## 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 standardised and customised solutions

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



### Top industrial capabilities in the sector

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



### Design, engineering, and long-term care

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



### Industry-leading EBOS and wiring solutions provider

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



### 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.



### Innovation is in our DNA – Inventing Simple

With over 35 patents worldwide, we continuously innovate to make our solutions safer, more reliable, and responsive to the global renewable energy industry' evolving needs.



### Manufacturing globally to meet local need

We are now manufacturing our solutions in your region, leveraging our commitment to superior quality and meeting local standards.

## Contact us

Discuss your renewable energy project goals with us to unlock customised cutting-edge EBOS solutions. **Connect with us** today.

