

# BESS Recombiners

## Optimize BESS and Solar + Storage Projects with Shoals

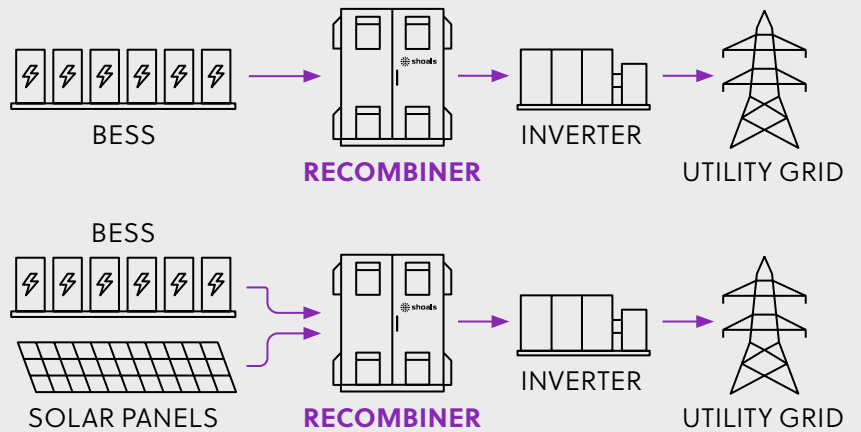
In the face of rising costs, project delays, and skilled labor shortages, utility-scale solar and battery energy storage (BESS) project developers, IPPs, EPCs, and OEMs are under pressure to streamline design, cut expenses, and accelerate timelines. To stay competitive, they are turning to standardized solutions and high-quality electrical components that enhance system performance and reliability.

At the same time, soaring energy demand fueled by generative AI makes innovative, domestically sourced solar and storage solutions essential for fast deployment and long-term performance.



### What Are BESS Recombiners from Shoals?

Shoals recombiners collect and combine direct current (DC) inputs from various sources, enabling BESS charging and discharging for consistent, reliable power to the grid.



Recombiners enable optimized site layouts and enhance safety by protecting critical infrastructure and maintenance personnel, reducing risks, and ensuring a secure operating environment.



Available in 1200A, 2000A, and 4000A configurations, recombiners support up to 24 circuits with customizable fuse ratings.



Optional input-side disconnects and contactor controls provide flexible operational control, and multiple cabinet configurations adapt to diverse project needs.



Our recombiners offer a customizable platform for both standard and tailored solutions, giving customers flexibility and confidence in system design.

## Key Benefits



### Streamline your project design and layout

Design your energy storage or solar + storage project confidently, knowing a solution for the BESS recombiners is readily available.



### Reduce project risk

Reduce project risk and avoid in-field installation errors with standardized electrical and wiring solutions with strict in-factory quality standards.



### Ensure quality, longevity, and reliability

Build your projects using high-quality, durable solutions crafted in-house and tested beyond regulatory standards for exceptional long-term reliability.



### Speed up projects and enhance cost-efficiency

Streamline installation with our standardized, rigorously manufactured solutions that reduce onsite labor, cut costs, and accelerate deployment.



### Simplify procurement with just one contract

Partner with one trusted supplier to holistically address all your BESS and other renewable energy project electrical component needs.



### Meet your sustainability goals

Demonstrate your commitment to sustainability by procuring electrical and wiring solutions that optimize material use and minimize waste.

## Why Shoals?



### Extensive renewable energy industry expertise

Since 1996, Shoals has led the renewable energy sector with our cutting-edge technologies and innovative electrical balance of systems 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.



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

Our engineering and customer care teams offer continuous support to optimize your energy storage installations' layout and performance.



### Innovation is in our DNA – Inventing Simple

With over 47 patents in the US and globally, we are constantly innovating to make our solutions safer, more reliable, and responsive to the renewable energy industry's evolving needs.



### Industry-leading EBOS and wiring provider

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



### Involved in shaping industry standards

Our partnership with SEIA ensures that we shape the regulatory landscape and future standards for solar and storage components.



### Simplified procurement for all components

We offer an extensive portfolio of electrical components and wiring solutions for all your BESS and other renewable energy project needs.



### Proudly made in Tennessee

Our products are manufactured locally in Tennessee, where our commitment to quality and precision ensures superior performance and reliability.



## Contact Us

Optimize your energy projects with Shoals' expert advice. Discuss your goals and share your drawings to unlock cutting-edge combiners and other battery storage solutions. **Connect with us** today.

