

## mini BIG LEAD ASSEMBLY (miniBLA)

### ABOUT

Shoals™ introduces the mini Big Lead Assembly, or miniBLA for short. The miniBLA is an aboveground aluminum trunk system that combines the functionality of cable assemblies, combiner boxes, and fusing all into one. This free air de-rated system eliminates the need for standard combiner boxes, messy multiple conductor string wires, cable trays, and field crimping. Shoals miniBLA 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.

### FEATURES

- Up to (4) input leads per BLA mold drop
- Configurable for Thin Film, Crystalline, or Bi-Facial
- Plug and Play - eliminates field crimping and splicing
- Patented undermold/overmold process chemically bonds and hermetically seals joints
- Eliminates standard combiner boxes
- Utilizes free air ampacity table NEC 310.17
- Standard 5-year warranty on all models
- ETL certified to UL9703 and UL4248
- ETL certified to CSA C22.2#182.5 for PV Connectors
- ETL certified to CSA C22.2#271 for PV Cables
- ETL certified to CSA C22.2#198.2 for Sealed Wire Connector Systems
- ETL certified to CSA C22.2#4248.1 for Fuseholders



#### TECHNICAL SPECS

#### STG.miniBLA

Voltage Rating	1500 VDC
Max. Current (Trunk)	Up to 315A*
Max. OCPD Per String	65A
Trunk Cable Size	1/0 to 4/0 AWG
Number of Input Circuits	Up to 4
Max. Ambient Temp. Rating	50°C

\*Max current shown is per NEC Code 2023, Table 310.17 for single-insulated conductors in free air at an ambient temperature of 30°C.

Plastic over-mold material is suitable for outdoor use with respect to exposure to UV light, Water Exposure and Immersion in accordance with UL 746C. Product design and specification subject to change or modification without notice.

