

mini BIG LEAD ASSEMBLY (miniBLA)

ABOUT

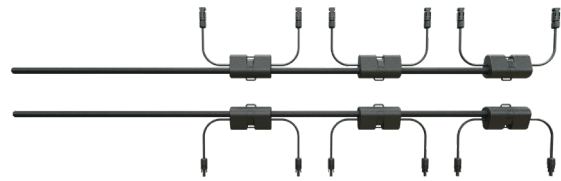
Shoals™ introduces the mini Big Lead Assembly, or miniBLA for short. The miniBLA is an aboveground aluminum trunk system that combines the functionality of cable assemblies, combiner boxes, and fusing all into one. This free air de-rated system eliminates the need for standard combiner boxes, messy multiple 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 (2) 6 mm² or 10 mm² 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 (IP68)
- Eliminates standard combiner boxes
- Utilizes free air ampacity table from IEC 60364-5-52
- Standard 5-year warranty on all models
- Compliant with IEC 62930 and 62852 up to 1500 VDC

OPTIONS

- Customizable wire size between 35 mm² and 120 mm²
- Shoals Cable Management Solution (CMS) for mechanical attachment
- Cable available in standard colors



TECHNICAL SPECS	STG.miniBLA
Voltage Rating	1500 VDC
Max. Current (Trunk)	Up to 276 A*
Max. OCPD Per String	50 A
Trunk Cable Size	35 mm ² , 50 mm ² , 70 mm ² , 95 mm ² , & 120 mm ²
Number of Input Circuits	Customer specific
Max. Ambient Temp. Rating	50 °C

*Current Carrying Capacity. Two loaded conductors touching in free air (method F) at 50 °C according to IEC 60364-5-52 table B.52.13 and B.52.14. Refer to final BLA design for specific values.

Plastic over-mold material is suitable for outdoor use with respect to exposure to UV light, Water Exposure and Immersion in accordance with IEC 62930 Annex E.

Product design and specification subject to change or modification without notice.

