



MULTIPLE LOAD-BREAK DISCONNECT

ABOUT

The Shoals™ Multiple Load-Break Disconnect (MLBD) centralizes up to five disconnects in a single wall-mounted enclosure, offering a streamlined solution compared to clustered individual disconnects. This design enables faster installation and a reduced footprint. Each disconnect operates a separate circuit through the door, providing efficient control. Lockable handles ensure a convenient, code-compliant method for de-energizing circuits, reducing installation and maintenance time and costs.

Designed for exceptional durability, the MLBD undergoes rigorous full-load testing during static heating sequences to ensure long-term, reliable performance. It integrates seamlessly with Shoals BLA and other solar PV and battery storage wiring solutions, making it a top choice for the industry.

FEATURES

- 1500V 100% rated load-break disconnect, 400A or 500A
- Through the door disconnect handles for each circuit
- Mounting configuration for 2-hole NEMA 1/2" x 1-3/4" lugs
- Rated for 90°C copper or aluminum conductors
- Safety shield covers all live components
- Designed for ease of cable installation
- Surge protection device, Type I
- Type 4 pad-lockable enclosure
- Standard 5-year warranty
- Compliant with NEC 2023
- ETL certified to UL1741

TECHNICAL INFORMATION

STG.DCD.xx.CaaadNAA.AHs^(a)

Rated Current	400A or 500A
Short Circuit Current Rating	10kA
Max. System Voltage	1500VDC
Max. Fuse Size (per input)	Non-Fused
Number of Input Circuits	2 to 5 ^(b)
Input Wire Size (per circuit)	Up to (1) 1000 MCM
Output Wire Size (per circuit)	Up to (1) 1000 MCM
Ground Wire Size (per circuit)	Up to 2/0
Enclosure Rating	Type 4
Max. Ambient Temp. Rating	50°C
Enclosure Size (H x W x D)	48" x 36" x 10" ^(c)
Approximate Weight	250lbs (5-circuit input)

(a) xx = disconnect quantity (02, 03, 04, or 05)

aaa = disconnect rating (400 or 500)

d = disconnect type ("B" for ABB or "S" for Socomec)

s = SPD type ("D" for Dehn, "N" for none)

(b) Limited to 4 circuits with SPD option.

(c) Dimension refers to trade size. See project drawings for exact dimensions.

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

