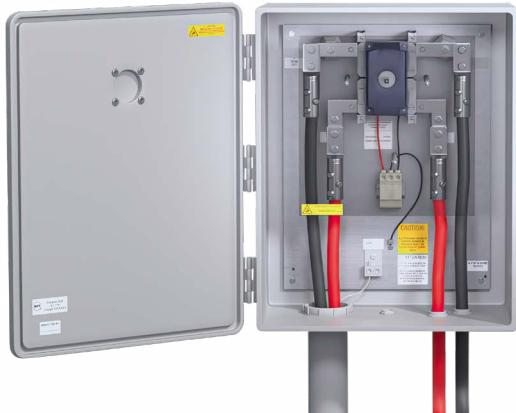


# LOAD BREAK DISCONNECT BOXES

DISCONNECT SWITCH RATED FOR 1500 VDC AND 400/500A



**Designed for safety and reliability, provides DC circuit isolation compliant with UL standards**

## APPLICATIONS

- Utility-scale Solar Projects
- Community & Industrial Solar Projects

## RELEVANT STANDARDS AND TEST REPORTS

- UL1741 Listed
- NEMA 4X Rated

## KEY FEATURES

- Up to 4 inputs per disconnect box
- Input/output conductor range: 500-1000 kcmil
- Arc flash safety shield
- DC output cable termination hardware included
- 100% Customizable to meet project requirements
- Every box undergoes thorough quality testing prior to shipment

TE Connectivity (TE) Solar Load Break Disconnect LBD boxes are engineered to deliver high performance and reliability within trunk bus DC collection systems. They provide a safe point to isolate sections of the system for routine maintenance, troubleshooting, or repair without disrupting the entire solar array. This helps maintain the continued operation of unaffected parts of the system.

Our LBD boxes help reduce the complexity and cost of electrical infrastructure by providing disconnection/isolation. This approach also simplifies the system layout and lowers installation costs. They pair with TE shear bolt lugs for an easier and faster installation without bending the trunk cable.

They are NEMA4X rated to withstand harsh outdoor environments for long-lasting performance. The input and output conduit holes are configurable based on each project's needs and can fit up to 1000 kcmil trunk cable.

## DESIGN INFORMATION

Maximum System Voltage	1500 VDC
Output Current	400A or 500A
Input Current	400A or 500A
No. of Inputs	Up to 4
Enclosure Rating	NEMA4X
Enclosure Material	Fiberglass
Ambient Temperature Range	-30°C to 50°C (-22°F to 122°F)
Input/Output Cable Range	4/0-1000 kcmil
Dimensions	800 x 600 x 300 mm (31.5 x 23.6 x 11.8 inches)
Weight	25 kg (~55 lbs)

## SHEAR BOLT LUG RANGE - OPTIONAL

Part Numbers	Description	Cable Size
1974148-1	ASBT-350-500-U	350-500 kcmil
1974149-1	ASBT-600-750-U	600-750 kcmil
1974153-1	ASBT-1000-U	1000 kcmil

Learn more: [TE.com/cts](http://TE.com/cts)

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