



EV-H

Aluminum Vertical Break
Disconnect Switch
15.5 kV - 72.5 kV

Robust Current Transfer & Hinge Mechanism Promote Maximum Reliability

Southern States' latest innovation, the EV-H, supports reliability through its unique design. This highly efficient vertical break disconnect switch utilizes independent mechanical and electrical systems to produce the strongest possible design with the easiest accessible maintenance. An over toggle mechanism in the closed position increases down force for high fault performance.

BENEFITS

- Mechanical operation is independent of the moving current joints, allowing efficient high current transmitting that promotes switch reliability and useful life.
- Superior mechanical strength & corrosion resistance
- Self-cleaning roller bearings & reverse loop current contacts

SPECIFICATIONS

Maximum Voltage Rating

15.5 kV – 72.5 kV

Continuous Current Rating

1200A - 2000A

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RATINGS

Maximum Voltage Rating	15.5 kV	27 kV	38 kV	48.3 kV	72.5 kV
BIL	110 kV	150 kV	200 kV	250 kV	350 kV
Power Frequency	60 Hz				
Continuous Current	1200 A		2000 A		
Short Time Withstand (3 sec)	38 kA		63 kA		
Peak Withstand	99 kA		164 kA		

KEY FEATURES

- Live parts designed without threaded joints
- Stainless steel shafts used in all pivot joints
- Stainless steel roller bearings in an aluminum housing
- Reverse loop current contacts with 10 mils of brazed silver inlay on the hinge & jaw
- Silver to silver current transfer
- High pressure connection at all current transfer points
- Marine grade bushings

Discover Alternative Vertical Break Designs from Southern States:



www.southernstatesllc.com/products/vertical-break-switches