



EC-2V

Aluminum Center
Break Vee Switch

Robust, Highly Efficient Designs for Low Profile Applications

Southern States EC-2V aluminum center break switch utilizes an independent mechanical and electrical system to produce the strongest possible design with the most efficient current transfer method. The heavy duty hinge utilizes robotically welded aluminum shunts and a one-piece stainless steel rotating pivot with marine grade bushings to also provide maximum rigidity and current carrying surface area.

BENEFITS

- Meets all ANSI standards
- Robotic welding ensures consistent quality
- Superior mechanical strength and corrosion resistance
- Welded shunts ensure event current transfer, preventing hot spots
- Large aluminum castings provide superior support for heavy conductors
- Marine grade bushings at all rotating joints are self-lubricating, corrosion resistant, and maintenance free for life

SPECIFICATIONS

Maximum Voltage Rating

72 kV – 245 kV

Continuous Current Rating

1200 A – 4000 A

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RATINGS

Maximum Voltage Rating (kV)

72.5	123	145	170	245
BIL (kV)				
350	550	650	750	900

ADDITIONAL RATINGS

Rated Power Frequency	60 Hz			
Continuous Current	1200 A	2000 A	3000 A / 4000 A	
Short-Time Symmetrical Withstand (3 Sec)	38 kA RMS	63 kA RMS	63 kA RMS	80 kA RMS
Peak Withstand	99 kA	164 kA	164 kA	208 kA

KEY FEATURES

- Aluminum live part construction with silver to silver contacts
- Round blade construction for maximum rigidity and current carrying surface area
- One 4-hole NEMA unplated aluminum terminal pad (2000 A)
- Two 4-hole & one 6-hole NEMA unplated aluminum terminal pads (3000 / 4000 A)
- Base design available with multiple mounting patterns
- Can be operated with either a manual or VM-1 motor operator
- Available with a wide variety of accessories

Additional Applications

- Line disconnecting
- Line sectionalizing
- Isolation of other substation equipments (circuit breakers, circuit switchers, power transformers, etc)
- Bypassing other substation equipment
- Bus tie positions
- Line dropping/bus dropping/cable dropping/magnetizing current interrupting (when furnished with appropriate arcing horns)

