



Engineering Specification Sheet
EQUINOX BIPOLAR BREAKER RECOMBINER
GENERAL INFORMATION

Description: Freestanding Bipolar Circuit Breaker Recombiner Box for 600Vdc or 1000Vdc

- 600VDC - NEMA 3R freestanding modular steel enclosure 78" x 32" x 24"
- 1000VDC - NEMA 3R freestanding modular steel enclosure 78" x 39" x 24"
- Powder coated finish RAL7035, light gray
- Seamless foam-in-place gasket
- Dead front panel w/breaker cutouts
- Safety divider shielding dividing the positive and negative polarities
- Custom copper busbars with electroplating
- Available up to 4,000 amp rated bus per polarity
- Estimated 700lbs

Breakers, lugs and wire specifications

- 60-400A 80% Rated 600VDC or 1000VDC (100%), UL489/UL489b
- Also available with 100% rated 600V breakers
- Up to 14 breakers (7 per positive and 7 per negative)
- Incoming conductors, 90°C CU/AL
- Negative Bus Bar: 90°C, CU/AL Wire
- Ground: 90°C, CU/AL Wire

Output conductors

- 4 ea., 600MCM-2AWG, 90 °C, CU/AL Wire (per each outgoing circuit)
- **Operating Temperature, Humidity:** -10°C to +60°C (15°F to 130°F), 0-100% Humidity

OPTIONS

- Zone level monitoring
- Ground fault detection
- Surge protection
- Custom bus for NEMA two hole lugs
- Lockout/Tag out (LOTO)
- Oversized enclosure



APPROVALS

Listed to UL1741, CAN/CSA C22.2 Listed @ 600V, 1000V