

AK&J Electric

Medium Voltage Switchgear

PRODUCT OVERVIEW

AK&J Electric's medium voltage switchgear is engineered for industrial, utility, and infrastructure applications requiring reliable 1kV to 38kV distribution. Fully metal-clad construction with drawout breakers, advanced protective relaying, and SCADA communications.

SPECIFICATIONS

Voltage Rating	1,001V to 38,000V AC
Construction	Metal-clad, per ANSI/IEEE C37.20.2 project requirements
Continuous Current	Up to 3,000A
Short-Circuit Rating	Up to 50kA symmetrical RMS
Breaker Type	Vacuum circuit breakers — drawout
Enclosure	Metal-clad, arc-resistant available
Protection Relays	SEL, GE, Schneider — factory configured
Communication	Modbus RTU/TCP, DNP3, IEC 61850
Metering	Revenue-grade metering available
Factory Testing	Hi-pot, contact resistance, relay, CT/PT
Lead Time	Quoted per project — from approved drawings

KEY FEATURES

- Metal-clad construction with grounded barriers between compartments
- Vacuum circuit breakers with drawout for safe, live-bus maintenance
- Advanced protective relaying — SEL, GE, and Schneider, factory-configured
- IEC 61850 and SCADA-ready communications
- Seismic requirements addressed per project specification