

METAL CLAD MEDIUM VOLTAGE SWITCHGEAR



ARC RESISTANT
TYPE 2B CERTIFIED

CUSTOMER-DEFINED
CONTROL SCHEMES

INDUSTRY LEADING
OPERATOR SAFETY

HIGH DENSITY
CONSTRUCTION
TWO HIGH 27kV BREAKER

SAFETY-FOCUSED PERFORMANCE

PowerCLAD metal-clad medium voltage switchgear provides the pinnacle of operator safety in a compact design, suitable for institutional, utility, and industrial applications.

- High-density design reduces site footprint with 27kV two-high vacuum breakers
- Enhanced operator protection against internal arc faults
- Fully tailored control configurations to match specific operational requirements

TECHNICAL SPECIFICATIONS

- **Primary Voltage:** Up to 27kV
- **Primary Current Rating:** Up to 4000A
- **BIL:** 125kV
- **Short Circuit & Interrupting Capacity:** Up to 63kA
- **Enclosure:** Indoor sprinkler-proof & outdoor-rated tamper-proof (CSA Type 3R)
- **Standard Colour:** Grey (custom colours available)

SAFETY & PROTECTION

- Digital protection relay (ANSI and IEC curves)
- Station-class surge arresters included
- Key interlocking between switching devices and compartments

ACCESSORY PACKAGE

- UV resistant warning labels
- Removable lifting lugs
- Breaker lifting cart
- Plated continuous ground bus
- Seismic-rated anchorage

STANDARDS COMPLIANCE

- CSA C22.2 No. 31
- IEEE C37.20.2
- IEEE C37.20.7

CUSTOMIZABLE OPTIONS

- Custom P&C schemes (closed transition ATS, load shed)
- Thermographic inspection (IR) windows
- SEL or customer-specified protection relays
- Maintenance mode – CEC 2-306-(3) compliant
- Fiber optic sensors for arc flash reduction
- UPS power supply – self-powered from CPT
- Additional Bushing CTs & Draw-out PTs
- MOC/TOC switches
- Remote racking and time-delayed operation
- In-rush mitigation
- Customer metering (Accuvim, Schneider PowerLogic, SEL, or customer request)
- Coordinated protective device & arc flash studies
- Witness factory acceptance testing
- On-site commissioning services

GENERAL INQUIRIES

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TECHNICAL QUESTIONS

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