

Arc-Resistant Switchgear

Power You Can Trust. Protection You Can Count On.

Overview

At Mission Critical Group (MCG), safety, reliability, and performance are at the heart of every solution we engineer. Arc-resistant switchgear, designed and built by MCG, delivers the highest levels of protection for people, equipment, and operations in mission critical environments.

Features & Benefits

MCG's arc-resistant switchgear is designed to contain and redirect the energy from an internal arc fault, minimizing damage and safeguarding personnel. Our systems meet or exceed IEEE C37.20.7 Type 2B standards and are trusted across industries where uptime and safety are non-negotiable – semiconductor, utility, oil and gas, manufacturing, and healthcare companies.

- Comprehensive Protection:** Type 2B accessibility protects personnel on all sides, even with doors open.
- Safety-First Construction:** Reinforced structures, arc-tested channels, and pressure-relief systems redirect energy away from operators.
- High-Performance Ratings:** Up to 38 kV, 3000A, 40 kA, and 4000A at 15 kV for demanding power applications.
- Flexible Configurations:** Metal-clad or metal-enclosed, available in front- and rear-access layouts.
- Advanced Controls Integration:** Compatible with intelligent relays, PLCs, and SCADA for real-time monitoring and predictive maintenance.
- Custom-Engineered Designs:** Modular configurations tailored to specific site, environmental, and operational requirements.



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Applications

- Data Centers
- Industrial Manufacturing
- Power Generation & Utilities
- Oil & Gas
- Critical Infrastructure
- Semiconductor Facilities

Why MCG

- U.S.-based engineering & manufacturing
- Proven arc-resistant expertise
- Full integration with MCG switchgear, controls & automation
- Lifecycle support: design → fabrication → testing → service

Powering What's Next

MCG delivers precision-engineered power systems from switchgear to fully integrated E-Houses — designed, built, and serviced in the USA by teams dedicated to performance, safety, and reliability.



Contact
Us

Scan the QR code or visit us
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