

Data Center Power & Infrastructure

Scalable. Resilient. Built for Speed to Power.



Why MCG

- **Accelerated AI Infrastructure Deployment:** Supporting high-density AI environments.
- **Integrated Manufacturing at Scale:** U.S.-based production for large-scale deployments.
- **Factory-Built Power for Faster Commissioning:** Preassembled systems designed to reduce onsite installation time.
- **High-Density Power Architecture Support:** Engineered for scalable power environments.
- **Integrated Lifecycle Services:** Engineering, commissioning, and modernization support.

Overview

Mission Critical Group (MCG) delivers resilient power infrastructure for hyperscale, AI, colocation, enterprise, and edge data center environments where downtime is not an option. Backed by integrated engineering, modular solutions, lifecycle services, and more than 1.7 million square feet of U.S. manufacturing capacity, MCG helps accelerate large-scale data center deployments.

Solutions

- **Data Center Switchgear & Power Distribution:** Expertise in UL-1558, UL-891, and medium voltage systems for safe, redundant data center power distribution.
- **Backup Power & Generator Systems:** Engineered data center generator integration, paralleling switchgear, and fuel system coordination to protect against utility interruption.
- **Modular Power Solutions:** Scalable generator enclosures, E-Houses, and modular power units designed to compress schedules and accelerate deployment.
- **Electrical Design & Infrastructure Engineering:** Data center electrical design, protection coordination studies, arc flash analysis, and utility interconnection strategy.
- **Commissioning & Startup:** Full data center commissioning, integrated systems testing, and performance validation to ensure operational readiness.
- **Power Monitoring & Intelligent Controls:** Remote monitoring, SCADA integration, and real time system diagnostics to improve uptime and operational visibility.

Powering What's Next

MCG delivers integrated power infrastructure that helps data center operators accelerate time-to-power, support AI workloads, and maintain reliable operations in high-demand environments.



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