

LOW VOLTAGE SWITCHBOARDS


AMPACITY

1200

1600

2000

2500

3000

3200

4000

5000

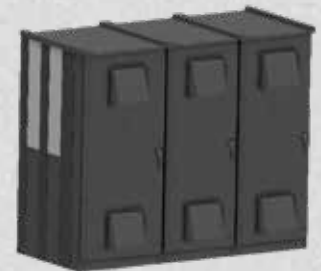
Engineered for Reliability. Built for Real-World Power.

Kratos Industries delivers rugged, field-proven low-voltage switchboard solutions built to perform in the harshest commercial, industrial, and utility environments. Our equipment is engineered for long-term reliability, simple serviceability, and seamless integration with modern power systems. Designed for applications from 5kV to 38kV, our switchboards support a full range of system architectures, including Main-Feeder, Pull Sections, Main-Gen, Main-Tie-Main, integral cam-lock configurations, dual and tapered bus systems, BESS, power generation, and generator-paralleling applications.

KEY FEATURES

Typical Configurations

- ▶ Main-Feeder
- ▶ Pull Sections
- ▶ Main-Generator
- ▶ Main-Tie-Main
- ▶ Integral Cam-Lock Connections
- ▶ Dual Bus & Tapered Bus
- ▶ BESS & Power Generation Layouts
- ▶ Generator Paralleling



Standard Switchboard Configuration

Typical Components

- ▶ Power Metering: Standard Socomec DIRIS meters with Rogowski-coil CTs; SEL-735 with solid-core CTs available upon request
- ▶ Surge Protection Devices
- ▶ Instrumentation: CTs, PTs, CPTs, and more
- ▶ Environmental Controls: Space heaters with thermostat or humidistat
- ▶ Ground Fault Protection: Neutral CTs for 4-wire systems
- ▶ Integrated Panelboards & Transformers
- ▶ Bus Duct Flanges
- ▶ IR Viewing Windows
- ▶ Mimic Bus



Custom Switchboard Configuration



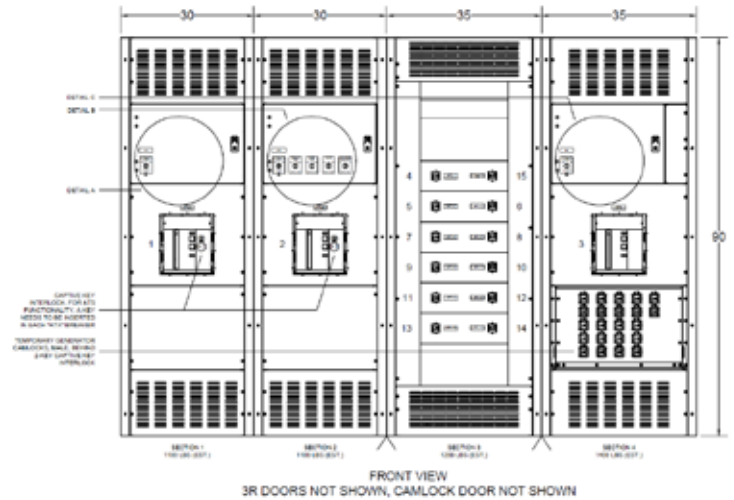
Discover cutting-edge UL certified power distribution solutions built for reliability and safety.



Standard Switchboard Configuration



Custom Switchboard Configuration



Controls & Testing Scope

Kratos delivers fully engineered and validated control systems, including:

- ▶ UL 891 testing
- ▶ Functional testing of all major control components
- ▶ Witness testing (optional)
- ▶ Formal Inspection & Test Plans (when required)
- ▶ ATC solutions (Woodward, Deep Sea, ComAp, etc.)
- ▶ Paralleling Controls
- ▶ Protective Relay Integration

Utility Metering Capabilities

Kratos has executed approved utility-grade designs for:

- ▶ EUSERC (standard package + 10-15 subsections)
- ▶ Xcel Energy
- ▶ CPS (Texas)

We can also support first-time or unapproved utility requirements with extended lead times to coordinate review and approval cycles.

Environmental Ratings & Materials

- ▶ Type 1 (Indoor) and Type 3R (Outdoor) enclosures
- ▶ Exterior: Painted galvalume steel
- ▶ Interior: G90 galvanized, aluminum, and stainless steel components
- ▶ Finish: UL-approved electrostatically applied powder coat
- ▶ Standard color: ANSI 61 Gray

Compliance & Packaging

- ▶ Seismic engineering and full shake-lab test capabilities
- ▶ Optional packaging on common base (approx. 10-ga channel manufactured at KPSM)



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