



panelmatic

SWITCHGEAR SOLUTIONS

Medium Voltage Products

Giving you reliable Power and Control
for critical applications



PROTECTION



DISTRIBUTION



CONTROL

888.757.1957

www.panelmatic.com

sales@panelmatic.com

[@panelmatic](https://www.linkedin.com/company/panelmatic)



ENGINEERED RELIABILITY & SAFETY

Panelmatic designs and manufactures medium voltage switchgear systems engineered for utility-grade performance, industrial resilience, and safe operation across critical power applications. Built in-house by a team of experienced engineers and technicians, Panelmatic switchgear is trusted for demanding utility and industrial environments where reliability and safety are essential.

Panelmatic medium voltage switchgear is available across a full range of medium voltage classes up to 38kV, with multiple construction types and arc-resistant design options. Each assembly is built to meet project-specific electrical requirements while supporting operator safety, coordination, and control, and is factory-tested for seamless integration and deployment.



**Switchgear that provides reliable power distribution,
equipment protection, & operator safety.**



MEDIUM VOLTAGE SWITCHGEAR

5kV to 38kV Solutions for Utility and Industrial Power Systems

Panelmatic's Medium Voltage Switchgear protects mission-critical infrastructure from overloads, flash hazards, and equipment failure. Each unit is engineered to support fault coordination, SCADA compatibility, and seamless relay integration.

Options Include:

- Metal-Clad Switchgear (ANSI C37.20.2)
- Arc-Resistant Switchgear (ANSI C37.20.7, Type 2B)
- Metal-Enclosed Switchgear (ANSI C37.20.1)
- Vacuum Circuit Breakers and drawout configurations
- Custom bus design and compartment layouts
- Utility relay protection panel integration
- Front and rear access, indoor or outdoor rated enclosures
- Seismic Compliant Options

Configurations:

Inst. Compartment	VT or OVS Drawer	Inst. Compartment	VT or OVS Drawer
1200A	1200A	2000A	2000A

FUSE DRAWER	VT or OVS Drawer	VT or OVS Drawer	Inst. Compartment
FIXED CPT	VT or OVS Drawer	FUSE DRAWER	Inst. Compartment

Whether installed in a substation or integrated within a relay house, Panelmatic switchgear ensures protection and control for today's grid and tomorrow's expansion.

38KV NON-AR DESIGN

IEEE C37.20.2 2022

CSA C22.2 No. 31 2023

EQUIPMENT RATINGS

- Maximum Voltage: **38kV**
- Amperages: **1200A & 2000A**
- Frequency: **60Hz**
- Basic Impulse Level: **150 kV**
- Power Frequency Withstand: **80 kV**
- Short-Time Withstand: **40 kA**
- Momentary Current: **64 kA**
- Altitude: **<1000 m (3280 ft)**
- Ambient Temperature: **-30°C to +40°C (-22°F to +104°F)**



Our low voltage assemblies are ideal for switching and distribution applications in utility buildings, industrial plants, and packaged equipment centers.



ARC-RESISTANT CONSTRUCTION



Enhanced Operator Safety for Utility Compliance

Panelmatic's Arc-Resistant Switchgear provides an additional layer of protection for personnel and equipment in the event of an arc flash. Designs are available for both medium and low voltage applications.

Arc-Resistant Features:

- Type 2B construction
- Top-mounted pressure relief vents and ducting
- Fully compartmentalized sections
- Remote racking and relay operation options
- Compliant with ANSI/IEEE C37.20.7
- Coordination with SCADA and RTU interfaces

Arc flash mitigation is critical in high-energy utility environments. Our solutions meet stringent safety expectations without compromising footprint or access.



INTEGRATION CAPABILITIES

Custom Switchgear, Factory-Integrated

Panelmatic's vertically integrated manufacturing process ensures full system compatibility and reliable performance. We coordinate with your design team to integrate the specific devices, relays, and communication systems your site demands.

Integration Options:

- Protective relays and meters
- SCADA and RTU panels
- UPS and DC battery systems
- Motor starters and MCC sections
- Transformer inputs and PDC outputs
- Bus duct or cable entry/exit
- HVAC, lighting, and alarm systems for housed installations

Whether stand-alone or Packaged in a Power Distribution Center, our switchgear is delivered fully assembled, wired, tested, and ready for commissioning.





TESTING & CERTIFICATIONS

Every Panelmatic switchgear system undergoes rigorous inspection, wiring validation, and system testing before shipment. FAT is conducted in-house with full documentation and customer witnessing available upon request.

Typical Testing Includes:

- Point-to-point and functional circuit verification
- Relay programming and calibration
- CT and VT ratio testing
- Hi-pot and insulation resistance tests
- Breaker operation and interlock verification
- Arc flash and SCADA system response test


You can trust that what arrives on site is built, tested, and ready to power on.








panelmatic

www.panelmatic.com

 888.757.1957

 www.panelmatic.com

 sales@panelmatic.com

 @panelmatic