



# PanelClad Switchgear 5/15/27/38kV

Panelmatic’s PanelClad switchgear is engineered for safety, performance, reliability, and longevity. It’s an ideal fit for customers seeking a high-quality power distribution assembly that also makes efficient use of valuable real estate.

Since 2012, we have delivered standard and arc-resistant metal-clad switchgear and power distribution products to utilities, renewables, data centers, and industrial markets. This strategic offering continues to evolve, enabling Panelmatic to deliver reliable Power and Control solutions that meet the demands of modern infrastructure.



## GIVING YOU POWER AND CONTROL

### Optional Features:

- Infrared viewing ports
- Integrated Remote Racking
- Externally Mounted Remote Racking
- Thermal Monitoring
- Arc Flash Detection via Fibre Optics
- NEMA 3R Enclosures

### Standard Features

- Primary circuit components are compartmentalized by the use of grounded metal barriers incorporated into the enclosure structural configuration
- Front viewing windows
- Epoxy Insulated busbar and re-usable boots for busbar joints
- Ground ball studs
- Two High-Breaker Configurations up to 27kV

### Product Elements

**Withdrawable Circuit Breakers:** Circuit breaker compartments are breaker-agnostic, giving end users the flexibility to meet lead time, budget, and interoperability requirements. The withdrawable design enables quick inspection and easy maintenance, supporting long-term reliability.

**Custom Design Solutions:** For applications with unique design requirements, Panelmatic will provide an engineered solution that meets IEEE C37.20.2 standards. Panelmatic gives you the flexibility to complete your project on time while meeting or exceeding specification requirements.

**Accessibility:** Front accessible, current transformers, roll out potential transformers and roll out control power transformers ensure ease of maintenance, minimal usage of floor space, and provide a safer environment. Roll on floor breakers available in lower compartments in both standard and arc resistant.

**Protection & Control:** Experienced Electrical Engineering team will custom design your protection and control scheme.

# Applications & Specifications

## Applications

- Utilities
- Renewables
- Data centers
- Institutional
- Industrial
- Marine
- Mining

## Ratings

PanelClad Product Rating	Rated Maximum Voltage (kV)	Maximum Available Ampacity (A)	Rated Voltage Withstand / BIL (kV)	Maximum Breaker Interrupting Rating rms (kA)
5kV	4.76	4000	19/60	63
15kV	15	4000	36/95	63
27kV	27.6	2750	60/125	40
38kV	38	2000	80/150	40

## Typical Dimensions (in)

5/15kV: 91D x 36W x 95H

27kV: 108D x 36W x 95H

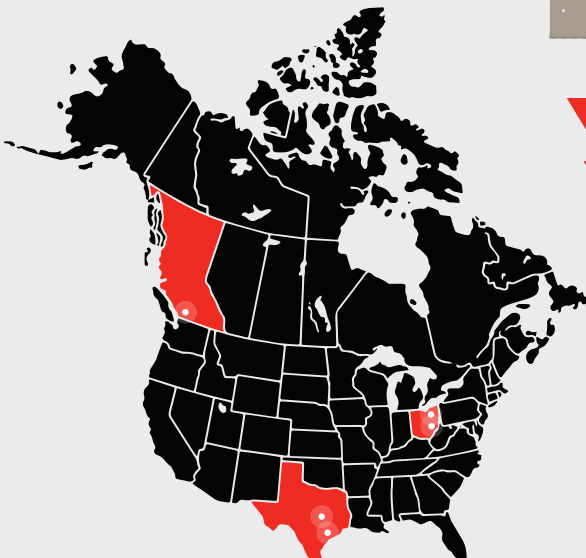
38kV: 42W x 126.5 D x 103H

## Standards

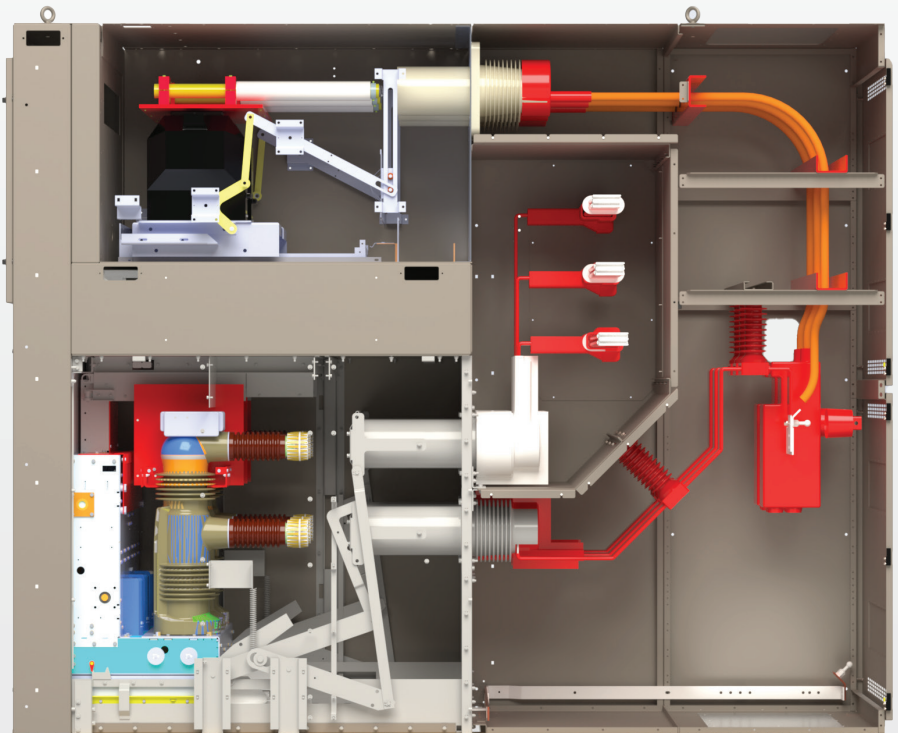
IEEE C37.20.2

CSA 22.2 No. 31

*5 Locations Across North America*



*One-high and Two-high breaker configurations available*



**Typical 38kV Structure**