



PanelClad AR Arc Resistant Metal-Clad Switchgear

Panelmatic's Arc Resistant Metal Clad 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 prioritizes operator safety 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

- Front viewing windows
- Epoxy Insulated busbar and re-usable boots for busbar joints
- Ground ball studs

Product Elements

Arc-Resistant (Type 2B): Designed and tested to IEEE C37.20.7, this construction enhances personnel protection by isolating the low-voltage control compartment from potential arc-fault exposure. Access to control and protection components is possible while the main equipment remains energized, supporting operational flexibility without compromising safety.

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.

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.

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

Low-Ceiling Installation Clearance: Panelmatic's unique exhaust plenum is engineered to minimize overhead installation clearance, reducing the ceiling height required for new installations and retrofits into existing spaces.

Applications & Specifications

Applications

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

Ratings

Metal Clad 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	50
15kV	15	4000	36/95	50
27kV	27.6	2000	60/125	25

**4000A requires fan cooling*

** 5/15kV available in two-high breaker configuration*

Typical Dimensions (in)

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

27kV: 104D x 38W x 95H

Standards

IEEE C37.20.2

IEEE C37.20.7

CSA 22.2 No. 31

5 Locations Across North America



Walk-In Aisle 15kV Arc Resistant Switchgear

