



## MEDIUM VOLTAGE PRODUCTS

# ANYTHING IS POSSIBLE WITH MYERS POWER PRODUCTS



## **PROTECT**

Protect your equipment and personnel from the elements and unforeseen electrical events with Myers Medium Voltage Products & Solutions. Our ArcRes Switchgear provides unparalleled protection for your personnel, while our MetalClad solutions such as Medium Voltage Vacuum Circuit Breakers and Protective Relay Systems protect your equipment.

## **DISTRIBUTE**

When you partner with Myers Power Products, you have more options for switchgear, enclosures & housings, configurations, and protection solutions than any other manufacturer in the market today. Our Medium Voltage Switchgear provides you with flexible options for integrating Myers' products with all Major OEM products to deliver best in class electrical distribution solutions. Our switchgear products and solutions are available in both AC and DC voltages, or in combination in a single solution.

## **CONTROL**

Myers Power Products provides a wide range of options for Protective Relay Systems, Control Switchboards, SCADA systems, protection & operation schemes, and safety hazard mitigation. From simple automatic transfer schemes, to complex paralleling systems, or arc flash mitigation; Myers Medium Voltage Solutions can be designed and delivered to meet your distinct requirements.

## **MYERS MEDIUM VOLTAGE PRODUCTS & SOLUTIONS**

Whether you need 5kV, 15kV, 27kV or 38kV distribution switchgear; for indoor or outdoor applications, Myers Power Products has the solution. Myers has been and continues to be a leader in the manufacturing and design of Medium Voltage Switchgear for more than 40 years and offers a wide range of Medium Voltage distribution equipment including Metal Clad, Metal Enclosed and Arc Resistant switchgear, Power Distribution Centers (PDC), Motor Control Centers, protective relay systems, non-segregated bus duct and circuit breakers. Whatever your requirement, Myers has a design to meet your needs. Myers' own best-in-class products can be integrated with multiple 3rd party manufacturers to bring you the most versatile and customizable solutions available in the market today; from simple indoor switchgear assemblies to stand-alone

outdoor NEMA 3R equipment, to complex integrated Power Distribution Centers (PDC), Myers Power Products has the expertise to design, fabricate, test, install and commission our products to meet your specifications.

Myers Medium Voltage solutions are custom designed by our highly experienced in-house engineering team - whether your project is greenfield or brownfield, simple or complex, domestic or international; you can count on Myers Power Products for reliability, durability and flexibility.

**With Myers, anything is possible!**

# METALCLAD SWITCHGEAR

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**5 kV - 38 kV**  
**AC VOLTAGE**  
**RATINGS**

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**600 A - 4000 A**  
**AC CURRENT RATINGS**  
**(CONTINUOUS)**

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**600 A - 12,000 A**  
**DC CURRENT RATINGS**  
**(CONTINUOUS)**

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Myers MetalClad Switchgear is available in multiple NEMA rated enclosures, including Indoor, Outdoor Walk-in (ODWI) and Outdoor Non-Walk-in (ODNWI) and can be provided as a stand-alone lineup, enclosed in a walk-in structure, integrated into a Power Distribution Center (PDC), or any other custom enclosure you may require. Whether you need a solution for power distribution, motor control, protection & control systems, or other customized application, Myers has you covered. GIS switchgear options provide for an inherently arc resistant design with a reduced footprint – consult a Myers engineer for additional information.

# METAL ENCLOSED SWITCHGEAR



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**5 kV - 38 kV**  
AC VOLTAGE  
RATINGS

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**600 A - 4000 A**  
AC CURRENT RATINGS  
(CONTINUOUS)

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**40 kA - 60 kA**  
SHORT CIRCUIT  
RATINGS

Myers Power Products manufactures Metal Enclosed Switchgear for applications where MetalClad Switchgear is not required. Our Metal Enclosed Switchgear is available in multiple NEMA enclosures as stand-alone switchgear, part of a unit substation, or other customized design configurations. Myers Metal Enclosed Load Interrupters and Disconnect Switches offer you the choice between manually and electrically operated mechanisms in fused or non-fused applications.

# UNIT SUBSTATIONS

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**480 V - 38 kV**

**AC VOLTAGE  
RATINGS**

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**201.1982**

**NEMA COMPLIANT**

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**100-1977**

**IEEE COMPLIANT**



Myers' integrated unit substations are custom designed to meet your specifications and are close coupled, consisting of enclosed primary medium voltage equipment, a 3-phase power transformer (up to 5MVA), and enclosed secondary MV or LV equipment. Transformers are supplied to meet your requirements and include liquid filled, dry type, high fire point oil or silicon, vacuum pressure impregnated coil, or cast coil. Myers can design Unit Substations for nearly any application, including indoor, outdoor, skid-mounted, integrated in a PDC, and wheeled mobile configurations. Myers Power Products Skid-Mounted Substations are manufactured per NEMA201-1982 and IEEE 100-1977 standards.

# ARC RESISTANT SWITCHGEAR



Myers Power Products ArcRes Switchgear is designed to protect your personnel and equipment from the destructive energy and force of an arc flash incident. Our ArcRes Switchgear utilizes specially designed ducting to safely exhaust any arc flash incidents out of the area and away from your personnel and equipment. ArcRes Medium Voltage Switchgear is designed with vacuum circuit breaker and metal clad switchgear technology for voltage ratings between 5 kV and 15 kV and a GIS design is available for voltage ratings above 15kV.

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**5 - 15 kV**  
**AC VOLTAGE**  
**RATINGS**

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**TYPE 2, 2B,**  
**2C, 2BC**  
**CONSTRUCTION**

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**C37.20.2 &**  
**C37.20.7**  
**ANSI STANDARDS**



## EQUIPMENT & ENCLOSURE OPTIONS

Myers can design, manufacture, and deliver an unlimited range of options for medium voltage electrical equipment and control in any number of various applications and enclosure types.

### Power & Control Equipment

- AC MV Switchgear, 5kV – 38kV
- Motor Starters
- Protective Relay Panels
- Unit Substations
- DC Switchgear, 250 V – 1600 VDC
- SCADA Equipment

### Enclosures

- NEMA 1, 3R, 4, 4X
- Blast Resistant
- Power Distribution Centers & Control House
- ArcRes Arc Resistant Type 2, 2B, 2C, & 2BC

### Special Design Features

- Seismic Ratings
- Skid Mount Option
- Arc Resistant Design
- Wind & Weather Ratings / Designs

## MYERS CIRCUIT BREAKERS

Myers Power Products is a leading manufacturer of Medium Voltage Vacuum Circuit Breakers. Our HVF AC Circuit Breakers and FBK DC Circuit Breakers are available with or without Myer's High Speed Tripping to provide you with flexibility in managing system coordination while incorporating personnel safety and downstream equipment protection. Whether you require fixed mount or draw-out type circuit breakers, Myers Power Products is the solution for your specific application.

### HVF AC Circuit Breakers

- 5 kV – 38 kV Voltage Ratings
- 600 A – 4000 A Continuous Current Ratings
- 16 kA – 63 kA Interrupting Rating
- 2-Cycle Trip (optional)

### FBK DC Circuit Breakers

- 300 VDC – 1000 VDC Voltage Ratings
- 1600 A – 12,000 A Continuous Current Ratings
- 60 kA – 200 kA Short Circuit Rating

### HSN DC Circuit Breakers

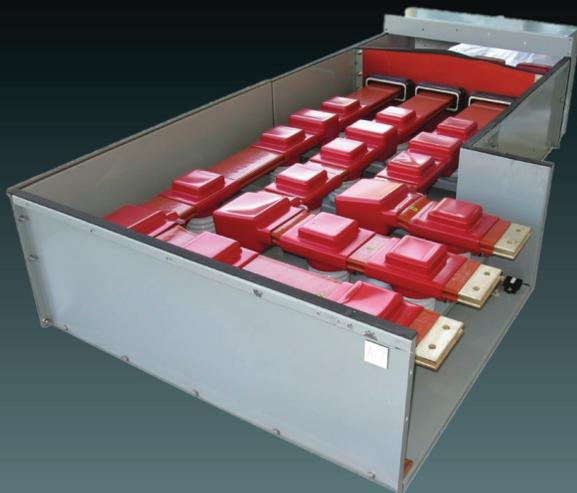
- 600 VDC – 1,600 VDC Voltage Ratings
- 4,000 A – 12,000 A Continuous Current Ratings
- 100 kA – 200 kA Short Circuit Rating

## PROTECTIVE RELAY PANELS 5 KV - 500 KV PROTECTION

Myers Power Products Protective Relay Panels and Custom Control Switchboards are engineered-to-order to meet your requirements for improved reliability, protection, and a higher level of communication & control for your power system. Our designs meet ANSI C37.21 for Control Switchboards with IEEE-693 racking designs for seismic qualifications.

### Design Options

- Custom Control Panelboard
- Integrated into PDC
- Door & Wiring Harness
- Simplex
- Full Duplex
- Half Duplex
- Fixed & Swing Rack Cabinets
- Control Desk



## BUS DUCT

Myers Power Products Non-segregated Bus Duct is available for AC and DC applications. Since each project is engineered to order, Myers Bus Duct offers you several options for construction, voltage & current ratings, and configuration. A combination of our in-house epoxy coating system (standard) or insulated sleeving (optional) is used to insulate the current carrying surfaces, and bus supports can be provided in glastic, porcelain, or cycloaliphatic materials. Our Bus Duct is available for indoor and outdoor applications; and the NEMA 3R design includes strip heaters with weather tight removable cover plates. Custom design and UL Field Labeling is available to meet your specific requirements.

### Construction

- Aluminum or Copper Bus
- Silver or Tin plated Connections
- Epoxy Coating

### AC Bus Duct

- 480 V – 38 kV
- 4,000 A Max

### DC Bus Duct

- 250 VDC – 1600 VDC
- 15,000 A Max

## UL DESIGNS

Myers Power Products' standard electrical equipment is backed by over 30 UL files for over 50 different products and designs. Our Medium Voltage Products & Solutions carry standard UL files but can be individually UL or 3rd party UL labeled for new designs as required.

Common applicable medium voltage standards for which Myers has associated UL files are:

### ANSI C37 – Medium Voltage Circuit Breakers

- Myers Controlled Power (5kV-38kV)
- Eaton
- ABB
- Schneider Electric
- General Electric
- Siemens

### Load Interrupter and Isolation Switches Over 600V

- Schneider Electric
- Eaton
- ABB

## FACTORY TESTING & FIELD SERVICE

Achieve peace of mind in knowing that your medium voltage electrical solutions are fully functioning as designed, both at the factory and in the field.

### Factory Testing

- ANSI C37.20 Production Test
- Current Injection
- CT Ratio and Polarity
- Mechanical Operation
- Dielectric Test
- Sequence Test
- Additional Testing (optional)

### Field Service

- Retrofits & Retrofits
- Installation Supervision
- Startup & Acceptance Testing
- Site Certification
- IEEE Load Testing
- System Commissioning
- Training
- Preventive Maintenance
- Battery Testing & Monitoring
- On Site Troubleshooting & Repair
- In-House Repair & Rebuild
- EPA Certified Battery Disposal

# PREMIUM PRODUCTS COME WITH PREMIUM SUPPORT.



Myers Power Products is committed to delivering the best products with the best product support throughout North America. Our pursuit of excellence continues long after our products are delivered and placed into service.

## QUALITY DRIVEN NORTH AMERICAN NETWORK:

- **Myers Power Products customer support system** - with manufacturing facilities in California, Ohio and Texas, Myers provides live assistance from a dedicated staff of professional representatives for before **and** after service support, engineering support, quality replacement parts, and for premium hands-on field service support for all of Myers' equipment. **Peace of mind, guaranteed.**
- **Myers' network of premium sales representatives and distributors** located throughout North America are highly trained to assist you; providing you a one-stop-shop for acquisition, maintenance, and warranty services now and well into the future.

- 📍 Myers Power Products Locations / Sales Offices
- Utility & Industrial
- Commercial & Institutional
- FVR Utility

**MEDIUM VOLTAGE CIRCUIT BREAKERS**

	38 kV HVF	1600 VDC HSN	1000 VDC FBK
<b>ELECTRICAL RATING</b>			
170 kV BIL	S	N/A	N/A
1200 A Continuous	A	A	A
2000 A Continuous	A	A	A
2500 A Continuous	A	A	A
3000 A Continuous	A	A	A
4000 A Continuous	N/A	A	A
6000 A Continuous	N/A	A	A
8000 A Continuous	N/A	A	A
10,000 A Continuous	N/A	A	A
12,000 A Continuous	N/A	A	A
31.5 kA Interrupting	A	N/A	N/A
40 kA Interrupting	A	N/A	N/A
44 kA Interrupting	A*	N/A	N/A
60 kA Short Circuit	N/A	A	A
80 kA Short Circuit	N/A	A	A
96 kA Short Circuit	N/A	A	A
100 kA Short Circuit	N/A	A	A
120 kA Short Circuit	N/A	A	A
132 kA Short Circuit	N/A	A	A
158 kA Short Circuit	N/A	A	A
200 kA Short Circuit	N/A	A	A
<b>TRIP TIME</b>			
2 Cycle	A	N/A	N/A
3 Cycle	A	N/A	N/A
5 Cycle	S	N/A	N/A
Semi High-Speed	N/A	S	S
High-Speed	N/A	S	A
<b>UL LABEL</b>			
MV Circuit Breakers	N/A	N/A	N/A

\* Available at 27 kV Operating Voltage Only  
A: Available; S: Standard; N/A: Not Applicable



**MEDIUM VOLTAGE EQUIPMENT**

	5 kV Switchgear	15 kV Switchgear	27 kV Switchgear	38 kV Switchgear	DC Switchgear	Protective Relay Panels	Bus Duct
<b>CONSTRUCTION</b>							
NEMA 1	S	S	S	S	S	S	S
NEMA 3R	A	A	A	A	A	A	A
Other NEMA	A	A	A	A	A	A	A
PDC Integrated	A	A	A	A	A	A	A
11-14 Gauge Cold Rolled Steel	S	S	S	S	S	S	S
11-14 Gauge Galvanneal	A	A	A	A	A	A	A
304/316L Stainless Steel	A	A	A	A	A	A	A
Marine Grade Aluminum Type 5052	A	A	A	A	A	A	A
18 in Wide Cells	N/A	N/A	N/A	N/A	S	A	N/A
24 in Wide Cells	N/A	N/A	N/A	N/A	S	A	N/A
36 in Wide Cells	S	S	S	N/A	N/A	A	N/A
42 in Wide Cells	N/A	N/A	N/A	S	N/A	A	N/A
Copper Bus	S	S	S	S	S	N/A	S
Aluminum Bus	A	A	A	A	A	N/A	A
<b>FINISH</b>							
Electrostatic Power Coat ANSI Grey 70	S	S	S	S	S	S	S
Electrostatic Power Coat ANSI Grey 61	S	S	S	S	S	S	S
Custom Color	A	A	A	A	A	A	A
HVLP Wet Spray	A	A	A	A	A	A	A
Anti-Graffiti Finish	A	A	A	A	A	A	A
7000 Hour Salt Spray	A	A	A	A	A	A	A
<b>ELECTRICAL RATINGS</b>							
60 kV BIL	S	N/A	N/A	N/A	N/A	N/A	N/A
95 kV BIL	N/A	S	N/A	N/A	N/A	N/A	N/A
125 kV BIL	N/A	N/A	S	N/A	N/A	N/A	N/A
150 kV BIL	N/A	N/A	N/A	S	N/A	N/A	N/A
600 A Continuous	A	A	A	A	A	N/A	A
1200 A Continuous	A	A	A	A	A	N/A	A
1600 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
2000 A Continuous	A	A	A	A	A	N/A	A
3000 A Continuous	A	A	N/A	A	A	N/A	A
4000 A Continuous	A	A	N/A	N/A	A	N/A	A
6000 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
8000 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
10,000 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
12,000 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
15,000 A Continuous	N/A	N/A	N/A	N/A	A	N/A	A
<b>ELECTRICAL EQUIPMENT</b>							
Circuit Breakers & Motor Control	Myers, Schneider Electric, Eaton, ABB, GE, Siemens						
Protective Relays	Schweitzer, ABB, Schneider Electric, Basler, GE						N/A
Load Interrupter & Disconnect Switch	Schneider Electric, Eaton, ABB						
<b>UL LABEL</b>							
PDC Structure	A	A	A	A	A	A	A
MV Switchgear	A	A	A	A	A	A	A



# MYERS POWER PRODUCTS

Since 1950, Myers Power Products has been and continues to be, a global leader in the supply and integration of a wide range of electrical products. As both a manufacturer and systems integrator, we are trusted by thousands of companies worldwide to provide solutions ranging from medium voltage AC and DC power distribution switchgear and equipment, custom designed enclosures & power distribution centers, low voltage switchboards and panelboards to electrical service pedestals.

With ISO-Certified manufacturing facilities throughout North America, Myers Power Products is uniquely positioned to serve you with the quality solutions you desire for your electrical distribution needs. Our in-house design support, engineering, fabrication, assembly and integration processes provide the expertise and flexibility to deliver both standard and customized, engineered-to-order solutions in a timely and professional manner; giving you the peace of mind that your project will be completed on-time and to specification, regardless of complexity.

Once your product is on site, our highly trained Field Service Team is ready and available when you need them. Myers' expert technicians can handle any need, ranging from start-up and commissioning to training on new equipment or troubleshooting, repair, and maintenance on equipment. Spare Parts and Service Contracts are also available to provide you with the peace of mind that your equipment will continue to operate safely and optimally well into the future.

## RELIABILITY, DEPENDABILITY, FLEXIBILITY...TRUST IN THE POWER OF MYERS!

Myers Power Products has made every reasonable effort to ensure that the information contained in this brochure is accurate. However, we accept no responsibility for any errors or omissions. We reserve the right to modify designs, characteristics and products at any time.

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