



# Switchgear MV

## Reliable, Flexible and Unmatched Performance



### Reliability

Trusted by utilities, and some of the most demanding industrial installations across North America and soon around the world, CO7's switchgear consistently delivers the most reliable power distribution solutions to meet your specific requirements.

Our designs can be integrated with those from multiple third-party manufacturers, or our own components to bring you the most versatile and customizable solutions available in the market today.



### Flexibility

Design flexibility allows us to provide our customers with custom designed products to specifically meet their needs and requirements. Using our MODU-AL structure, our MV switchgear design is very flexible and robust, adapt to space limitations and coordinate with existing equipment, while meeting rigorous industry standards.

- Universal Cradle that increase SAFETY for operators, EFFICIENCY due to its ease of use and ADAPTABILITY to meet your needs.
- CO7 MV breakers, SE, ABB, Eaton, ...
- Cubicle depths ranging from 82" to 106"
- Special 77" high cubicles for low ceiling installations
- Maintenance / Bypass bus designs
- UL or CSA labeling for most applications
- Silver or tin plated bus
- Seismic qualification to IEEE693 and IBC (Zone 4)
- NEMA 1 indoor enclosure
- NEMA 3R outdoor non walk in, protected aisle, common aisle

Non-arc resistant				Arc resistant			
Normal Voltage (kV)	Basic Insulation Level (kV)	Short Circuit (kA)	Bus rating (A)	Normal Voltage (kV)	Basic Insulation Level (kV)	Short Circuit (kA)	Bus rating (A)
5	60	40	Up to 4000	5	60	40	Up to 3000
15	95	40	Up to 4000	15	95	40	Up to 3000
25-27.5	125	40	Up to 3000	25-27.5	125	25	Up to 2000
27.6-38	150	40	Up to 3000	27.6-38	150	31.5	Up to 2000



This innovative proprietary concept of aluminum profiles eliminates the inaccuracies associated with manufacturing conventional steel panels, while offering superior strength and flexibility. The various shapes of extrusions and molded corners provide a multitude of options, reducing the reliance on fasteners and other accessories while ensuring accurate self-aligning assemblies.

**Aluminum frame:** Eliminates Eddy currents in the structure while providing outstanding properties in terms of rigidity, accuracy and continuity of supply.

**Aluminum panels and steel:** Depending on the application and customer needs, a wide variety of finishes and colors are available.

**Flexibility and Strength:** Compared to conventional steel structures, aluminum extrusions not only offer superior strength but also excellent flexibility, making them highly adaptable for special arrangements.

**Continuity of masses:** The properties of aluminum, in terms of conductivity, provide increased security level of the structure, by directly linking the modules at the point of primary mass allowing equipotentiality across the equipment.

**High reliability in & out:** Accuracy and anti-corrosive properties of aluminum extrusions can offer a wide range of quality products designed for indoor and outdoor use.

**Internal arcs resistant:** We offer a wide range of products that have undergone certification testing for resistance to internal arc type 2C, as prescribed by ANSI / IEEE C37.20.7.

**Retrofit:** The concept is ideal for modernization and replacement. The freestanding structure is easily adaptable to accommodate several types of circuit breakers, disconnectors, and other electrical components.

**38 kV – 4000A Capacity:** The concept is used for a wide range of products (available from 5kV to 38 kilovolts). Depending on the needs and applications, different designs are available for current values up to 4000A.

**Fast Turn Around:** The MODU-AL greatly reduces the production time and allows the quickest turn around on the market.



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