Understanding the challenges. Engineering the solutions.
As a premier leader in power distribution equipment, Eaton offers a wide range of innovative, low voltage switchgear designs providing flexible solutions to optimize operational performance, enhance safety and save space.

**Rear access**
- Lower installation and maintenance costs, higher interrupting and withstand ratings, enhanced safety, higher quality, reliability and maintainability

**Front access**
- When floor space is limited, or room constraints dictate that equipment be mounted against a wall, why compromise on switchgear design?

Eaton’s Magnum DS front-accessible switchgear combines the robustness of UL 1558 low voltage switchgear with the flexibility of UL 891 switchboard design. The front-accessible switchgear offering allows mounting against a wall, or in other tight locations, where a standard rear-accessible switchgear lineup would not normally fit.

**Integrated HRG**
- NRX integration
  - 800A continuous current with 65KA short circuit and 42KA short time (30 cycle withstand) for UL 1558
  - 1200A continuous current with 65KA short circuit for UL 891
  - 24” enclosure – two 3P NRX breakers side by side

**Delivering consistent performance.**

Eaton listens and learns from customers to understand the unique operational challenges across industries. This drives our pursuit for innovation and the application of our expertise to engineer low voltage switchgear solutions that consistently deliver on performance, safety and savings.
Improved maintainability with dedicated secondary terminals with separate access door and front accessible control wayway.

Increased reliability with modular relays allows for robust failure for both structures and breakers.

Reduced installation cost with front accessible controls and earning enables rapid installation and commissioning.

Increased safety with complete enhanced performance service of options.

**ArcGard® arc-resistant rear access**

ArcGard® arc-resistant switchgear from Eaton provides the robustness and strength of an arc-resistant rearranged enclosure, but with the flexibility of an innovative front-accessible design. This product line is recognized to meet UL and IEC arc-resistant design requirements. Eaton’s Magnum DS arc-resistant switchgear combines the reliability of an arc-resistant rearranged enclosure with the flexibility of an innovative front-accessible design. The front-accessible switchgear offering allows access to the bus and switchgear components while still providing an arc-resistant enclosure lining, as well as an arc-resistant cable compartment andaisleless enclosure. The front-accessible switchgear offering allows access to the bus and switchgear components while still providing an arc-resistant enclosure lining, as well as an arc-resistant cable compartment andaisleless enclosure. The front-accessible switchgear offering allows access to the bus and switchgear components while still providing an arc-resistant enclosure lining, as well as an arc-resistant cable compartment andaisleless enclosure.

**Arc Quenching**

ArcGard quenching switchgear directs and contains an arc fault in less than 0.1 milliseconds, drastically reducing the incident energy. It works by detecting the ignition of an arc inside the switchgear or downstream, and then redirecting the energy. ArcGard quenching switchgear consists of an arc quenching enclosure with a unique gear design allows for mounting against the wall, while protecting and maintaining the safety, higher quality, reliability and withstand ratings, enhanced maintenance costs, higher interrupting and breaking capacities.

**ArcGard® arc-resistant front access**

Architects, engineers and maintenance managers rely on switchgear with enhanced maintainability, safety and improved efficiency. Magnum DS arc-resistant switchgear allows for the arc-resistant enclosure types Available in NEMA 1, NEMA 3R, and NEMA Type 2 & 2B configurations, optionally with superior maintenance and test features. Magnum DS Switchgear Accessories Genuine Magnum DS switchgear accessories improve the reliability, safety and longevity of the switchgear.
Automatic transfer and intelligent control packages
pre-engineered • flexible • smart

Eaton’s Magnum DS low voltage switchgear offers optional pre-engineered automatic transfer and intelligent control packages with features that can be modified to meet specific requirements. The packages are available on both standard and arc-resistant switchgear as well as both front and rear access equipment. Classified by the interface, the automatic transfer and intelligent control packages are as follows:

• Eaton ATC-900 controller
• Eaton PLC with Eaton touchscreen
• Power Xpert™ dashboard

Features and benefits

Eaton ATC-900 controller
This controller can be utilized for transfer in a lineup with Main-Main, Main-Generator or Generator-Generator application (no tie breaker present). This option will include a selector switch for Auto/Manual as well as generator start/stop/exercise.

Eaton PLC with Eaton touchscreen
Using the Eaton PLC and Eaton touchscreen, Eaton can provide automatic Main-Tie/Main transfer to increase uptime and efficiency. The desired sequence of operation can be selected during project quotation.

Power Xpert™ dashboard
The Power Xpert dashboard is an intelligent collection of views which allow users to configure a switchgear assembly and continuously monitor and control various devices and parameters. The dashboard can be integral to the switchgear assembly or remotely mounted offering a monitoring and control option outside the arc flash zone. It provides features required to maintain a switchgear assembly such as:

• Remotely open/close circuit breakers through control mode
• Initiate a transfer scheme in a Main/Tie/Main switchgear for uninterrupted power supply
• Ability to configure/monitor alarms for various devices
• Provides a rich interface to monitor parameters of all devices and study the trends of those parameters.

For more information, visit www.eaton.com/lva or call your local Eaton sales office.