

# ABB medium voltage products improve safety and increase reliability for our public power customers

photo courtesy of [www.photonlight.com](http://www.photonlight.com)

ABB specializes in the design, manufacture, and service of medium voltage distribution products for the ANSI market that ensure performance excellence for public power customers.

ABB customers gain the technological, R&D, and sourcing benefits of a global company, while still maintaining the relationships, support, and service of a local company.

## **ABB – your focused partner**

Focused and dedicated with over a century of experience, ABB has the credentials and the performance record to be your supplier of choice. ABB has what it takes to deliver the right products, systems, and services.

## **Safety is our priority**

Our innovative technologies focus on safety - saving equipment, money, and most importantly - lives.

## **Reliable by design**

Our long lasting, low maintenance products work to minimize outages and help you increase your reliability.

## **Core medium voltage products and capabilities**

- outdoor distribution circuit breakers & reclosers
- outdoor distribution cutouts & disconnect switches
- padmounted switching products
- protection relays & control solutions
- switchgear
- instrument transformers
- aftermarket service, parts, support & training

## **ABB offers a complete solution**

Contact your local sales representative or visit [abb.com](http://abb.com) for more information on ABB's extensive product portfolio beyond medium voltage products.



Product	Offering	Benefits
<b>Circuit Breakers</b>	R-MAG, Type R & Type V outdoor distribution vacuum circuit breakers 15-38 kV, 40 kA, 200 kV BIL	ABB breakers have adjustable legs and provide overcurrent protection, with the reliability of vacuum interruption. The air-insulated, dead tank designs, provide additional safety to operating personnel. Virtually maintenance free, the R-MAG uses magnetic actuation.
<b>Outdoor Automated Reclosers</b>	OVR-3 three-phase vacuum recloser with PCD control 15-38 kV, 1250 A, 16 kA	Stainless enclosure with no electronics in the high voltage compartment for easy maintenance. Pole or substation mounted. Incorporates integrated voltage and current sensors, and virtually maintenance free magnetic actuators. The PCD control offers advanced capabilities such as adaptive protection, control monitoring, power quality, communications, single phase tripping, and loop control.
	OVR-1 single-phase vacuum recloser with electronic control 15-27 kV, 800 A, 10 kA	No electronics in pole assembly leads to increased reliability and less maintenance. Long life with 10,000 operations. AC powered electronic control eliminates need for maintaining batteries. Simple programming from PC-based software.
	OVR-3SP three-phase vacuum recloser with PCD control 15-38 kV, 1250 A, 16 kA	Individual pole design allows for flexible mounting arrangements. Allows for seamless transition for replacing three hydraulic units. One PCD control operates all three recloser poles. Available in rack mount for substation mounting or standard cabinet.
<b>Overhead Distribution Cutouts &amp; Sectionalizer</b>	Types ICX, LBU, NCX, EU & vertical contact	Distribution cutouts used on overhead distribution systems to provide overcurrent protection. They provides visible indication of fuse operation and a visible break sectionalizing point for maintenance personnel.
	Autolink sectionalizer	With only one style needed per voltage class (15 and 27 kV), you'll save time, effort, and money. The ABB Autolink fits on a standard ICX cutout body and is field configurable and field resettable.
<b>Overhead Disconnect Switches</b>	SID 15 kV – 38 kV, 600 or 900 A & LSID15.5 kV – 15/27 kV, 600 A	Single-phase disconnect on overhead distribution feeders and in outdoor distribution substations. Mount like a standard cutout or directly on a pole used as a disconnect between overhead and underground lines.
	DCD double insulator single-phase	Hookstick operated switch used for sectionalizing or isolating equipment on electrical distribution systems up to 38 kV.
	RBD single-phase bypass	Provides a means for bypassing and disconnecting reclosers or voltage regulators, allowing maintenance on equipment without service interruption.
	FBD fused by-pass	Provides the safety and functionality of a by-pass switch, with the added protection of a cutout - all in one product!
	ITD single-phase, non-loadbreak, inline tension with silicone insulator	Used for manual switching of de-energized or parallel circuits of overhead distribution lines rated 15-38 kV.
<b>Padmount Switching Products</b>	Live-front (MES) & Dead-front (MDS) switchgear 600 A, 15 & 25 kV	The line includes live-front and dead-front loadbreak switches and fuses in multiple configurations in ratings up to 25 kV 600 A. Dead-front design for added safety to personnel. The padmount product use the compact, high performance VersaRupter load interrupter switch.
	Sectionalizing enclosures for power fusing (MEP) & current limit fusing (MEC) 200 A, 15 & 25 kV	
<b>Protection Relays &amp; Control Solutions</b>	FT Flexitest Test Switches, Microprocessor, Electromechanical and Solid State Relays	With an almost unlimited amount of configurations and ability to customize, FT switches provide unparalleled safety and convenience. ABB relays are an intelligent investment for every application including generator, motor, feeder, transformer, and arc-flash mitigation.
<b>Switchgear</b>	SafeGear (arc resistant) & Advance air insulated metal clad switchgear 5-15 kV	Uses a wide array of standard modules to efficiently deliver custom switchgear. Superior safety and low maintenance are achieved by customer-focused design innovations, such as a breaker-mounted, closed-door racking system with fully automatic connections. SafeGear's arc resistant construction maximizes protection for equipment and personnel.
<b>Instrument Transformers</b>	Current and voltage transformers 0.6-34.5 kV	Low and medium voltage instrument transformers are available, as well as specialty combination instrument transformers for metering and control power.
<b>Aftermarket Service &amp; Support</b>	Replacement components, replacement circuit breakers, retrofit & factory refurbishment	Ongoing, expert service on installed equipment, as well as continuing support for equipment upgrades and replacement, are key benefits of our service structure. ABB's superior technology, backed by quality assurance programs that meet rigorous standards, along with worldwide leadership in electrical distribution equipment, allow ABB to provide a multitude of aftermarket solutions and services to fit customer needs.

