

OEM line card

Power Products Medium Voltage

Product	Offering		Benefits
Circuit breakers	ADVAC spring charged breaker in 5 & 15 kV		A unique modular design allows for quick and safe service for motors, coils and key components.
	AMVAC magnetically actuated indoor breaker in 5, 15, & 27 kV		Operated by a magnetic actuator with minimal maintenance required, the AMVAC breaker increases safety by reducing personnel time in front of switchgear lineups and provides a high number of operations between breaker servicing. The AMVAC is provided with a five year warranty.
	Vmax indoor breaker		A spring charge mechanism type breaker with a reduced footprint for custom applications. Provided with ratings of 15 kV 1200 A 31.5 kA and ANSI tested.
Switchgear	Abbreviated switchgear		For over a decade, Advance switchgear's innovative modular design has provided customers a safe, reliable, flexible, and easily maintained switchgear portfolio with many product variations, configurations and options to best suit their needs.
	I _s -Limiter current limiting device		The world's fastest current limiting and switching device rated up to 40 kV, the I _s -Limiter is capable of detecting and limiting a short-circuit current during the first current rise, i.e. in less than a millisecond. It can be applied in early system design stages or in existing systems to reduce capital costs and/or to improve system functionality.
	OEM assemblies		ABB's breaker cell kit, L-Frame, and compartments provide flexibility by utilizing a minimum number of components to maximize the value proposition. The intelligent design, rugged frame construction, and durable components of these provide a high quality finished assembly. Compartments and/or cell kits are available for breaker, PT, CPT, and fuse rollout compartments.
Switches	VersaRupter load break switch		Available to OEM manufacturers as a building block for metal-enclosed and padmounted switchgear applications in ratings from 5-38 kV, 200-1200 A, 40 & 61 kA. Available with numerous accessories including various drive mechanisms such as motor operation.
Distribution protection relays & control solutions	Microprocessor relays		Offering includes protection relays for distribution applications in feeder, motor, and transformer. The Relion 615 and 620 series, along with the REF615R, offer state-of-the-art, low to high end protection and control solutions. Relion relays include easy to use interface, three open communication protocols, short lead times, among other advantages.
	Pre-Configured Matching Unit (PCMU)		Serving as a direct replacement for ABB legacy relays, the PCMU is the best solution to mitigate risk, limit downtime, and save costs on relay upgrades. It ensures a reliable, seamless upgrade due to the risk reduction only a wire-alike solution can provide.
	COM600 grid automation controller		A flexible substation automation device that provides localized automation tasks, The COM600 gathers data from protection and control devices, such as relays and meters, combining different communication protocols into one common contact point.
	Electromechanical relays		For new applications where reliable operation is essential, in harsh environments, or in existing installations where an exact replacement is required, ABB electromechanical relays are key components for your power infrastructure.
	Solid state relays		A part of our legacy portfolio, solid state relays are the best fit when a single-function relay and no communication capabilities are required. These relays provide all the required protection functions for feeders, motors, subtransmission lines, transformers, generators, and many other applications.
Test switches	Flexitest switch		FT switches provide a safe, simple, fast and reliable method to isolate, test, and service installed equipment without disturbing the system.
Arc protection devices	REA Series		With safety a top priority, the REA family of relays is designed for the protection of medium and low-voltage air-insulated switchgear against arc incidents.

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Passive voltage indicators	VisiVolt™		Adapted for permanent installation on busbars and naked or insulated metal conductors in medium voltage systems, the VisiVolt indicates the presence of voltage to provide a higher level of safety.
Instrument transformers	Bushing current transformers (BCTs)		BCTs are 600 V class ring-type current transformers. Wrapped with polyester tape or encapsulated in polyurethane, typical applications include high voltage circuit breakers and power transformers.
	600 V indoor plastic case		Plastic case 600 V window-type current transformers are offered in a variety of internal window diameters and are used in various switchgear and outdoor vacuum breaker applications.
	Indoor medium voltage instrument transformers		Indoor medium voltage transformers are encapsulated in polyurethane using a vacuum casting process. Current and voltage transformers are available in voltage classes ranging from 5 kV to 34.5 kV. Typical applications include switchgear and metalclad enclosures for primary and revenue metering and protection. Voltage units are available for line-to-line applications, designated by Y, and for line-to-ground applications, designated by GY.
	Generator current transformers		Generator current transformers (GCTs) measure current for both metering and relay protection inside generation plants. They can be used in any type of generation plant including coal, hydro, and electric. The largest GCT ABB offers has an inner diameter of 42" and can measure 50,000 amperes of current. ABB's GCTs also have the ability to measure at very high accuracies and have been used in generation plants around the world.
Aftermarket service & support	Replacement components, field & commissioning services, replacement circuit breakers, training, engineering solutions, retrofill, 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.

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ABB Inc.
Medium Voltage Switchgear, Outdoor Products, & OEM Apparatus

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