

BROCHURE

# **ReliaGear® and SafeGear®**

## **Smarter, smaller, safer, more reliable**

Engineered power distribution solutions



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## ABB

Global solutions with local execution

For over 100 years, ABB has been a global leader in the high, medium and low voltage electrical distribution business.

Continuing the legacy of leadership, ABB is proud to expand in North America with an array of UL/ANSI products and solutions:

- UL1558 ReliaGear® and SafeGear® Switchgear
- UL891 ReliaGear SafeT™ Switchboard
- UL845 ReliaGear and SafeGear Motor Control Centers
- UL857 ReliaGear High Power Busway
- UL67 ReliaGear SafeT Panelboard

ABB's next generation of low voltage electrical distribution solutions delivers world-class breaker technology and sets a new standard for our low voltage equipment.

### North American markets

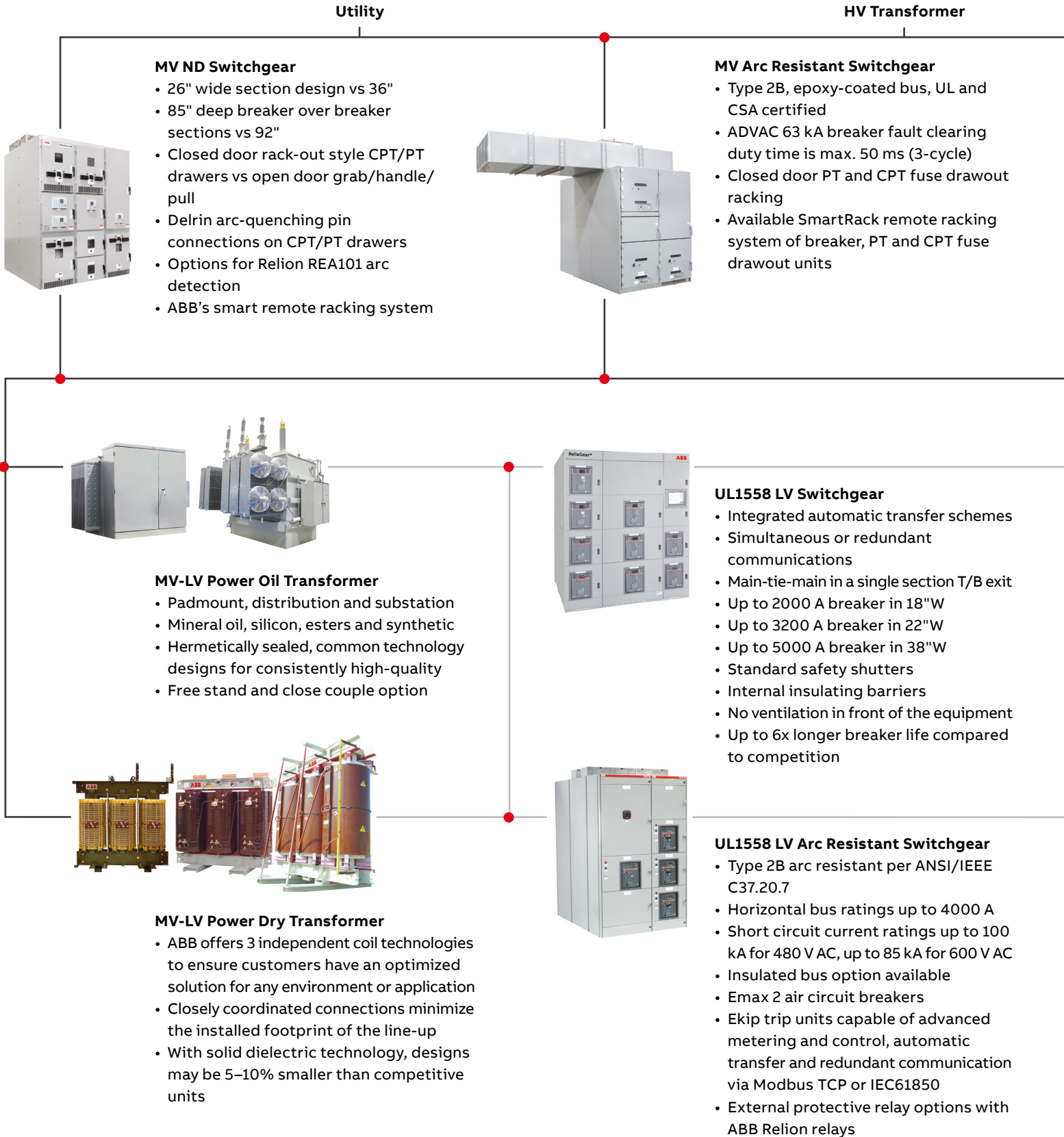
ABB's one-line power distribution system is well-suited for:

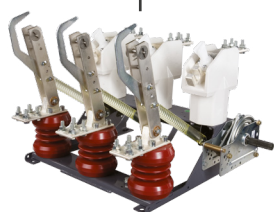
- Chemical facilities
- Oil and gas
- Data centers
- Water/wastewater treatment
- Infrastructure



# ABB

## One-line power distribution equipment





### VersaRupter MV Fusible

- 4.76–38 kV amperage up 1200 A
- Puffer arc-extinguishing system allows for a high number of operations without excessive wear
- Latches are not dependent on gravity, allowing for flexible mounting arrangements
- Tight phase spacing without requirements for inner-phase barriers on a majority of ratings
- Compact operating mechanisms available in stored energy or snap action varieties



### UL845 LV Motor Control Center

- Modular and interchangeable unit design
- Closed door and tool-free unit withdrawal provides superior safety and reliability
- ABB's vertical bus "multi-function" wall provides IP20 finger-safe protection without the need for mechanical shutters
- One of the smallest footprints in the industry
- All in one innovation
- ACS880 variable frequency drive units, two per vertical section at 60 hp and below
- Emax 2 main incomer sections in 20" depth, up to 3200 A
- SafeGear LV - Rated for AR Accessibility Type 2



### UL857 High Power Busway

- UL 857 Listed; also meets requirements of NEMA, CSA (cUL), IEEE, IEC and CE
- 600 V totally encased non-ventilated
- Low impedance sandwich design
- Available in copper or aluminum rated 800 A to 4000 A
- Epoxy-resin coated with tin or silver coated finish
- Up to 5 plug-on bus plugs per 12 ft. length
- Plug-on or feeder style with full complement of fittings and flanges



### UL891 SafeT Switchboard

- Advanced Emax 2 UL1066 circuit breaker main or individually mounted to 5000 A
- Plug-on branch MCCB technology
- Branch circuit breakers require up to 30% less mounting space, allowing higher circuit breaker density
- Industry-exclusive IP20 finger-safe vertical bus in distribution section
- Up to 6x longer breaker life compared to competition



### UL67 SafeT Panelboard

- Tmax UL489 circuit breakers with internal accessories and onboard communications
- Field-reversible interiors for top/bottom feed
- Versatile user-friendly configuration
- Branch circuit breakers require up to 1/3 less mounting space for higher circuit breaker density
- One of the narrowest 1000 A enclosures in the industry
- Industry-exclusive IP20 finger-safe bus stack
- Unique split front allows independent access to either incoming or distribution sections
- Standard hinged deadfront
- Fronts are modular — lighter components with captive mounting hardware



#### **600 V Power Dry Transformer**

- ABB is historically known for its substation and power style transformers, so to complete the package, LV general purpose transformers from 15 kVA are now available
- Dry-type transformer technology has always been the venerable choice for indoor distribution applications
- 10–30% smaller footprint than competitive units
- These general purpose transformers make the perfect complement to the ReliaGear series of LV products
- ABB is now able to offer the complete line-up



#### **Heavy-Duty Safety Switches**

- Complete range of fusible and non-fusible options from 30 A to 1200 A
- NEMA 1, 12, 3R and 4X capable
- High performance, up to 200 kA short-circuit withstand capability
- Increased safety with visible double break contacts and no sharp edges
- Easy installation because of spacious interior and keyhole hanger



#### **UL Lighting and Appliance Panelboard**

- Field-reversible interiors for top/bottom feed
- Removable end walls for simplified conduit marking/punching
- Panel sizes according to your circuit requirements
- 6" box depth
- Hinged trim design allows for easier access to the interior of the panel
- Adjustable depth interiors allows for complete isolation from live parts

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**ABB Inc.**

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