

PRODUCT FAMILY OVERVIEW

ReliaGear™ smart power distribution



From basic protection to total monitoring and control, ABB ReliaGear gives you the future of digital technology, today.



Smart design

ABB power distribution products offer smart design to simplify installation and maintenance and promote a safer work environment.

Smart technology

ABB's all-in-one advanced breaker technology simplifies the way you deploy electrical protection, measurement and control.

Basic construction



When the job needs to be done on time, on budget, on spec.

- Lower installed costs
- Reliability

Mission critical



When failure or disruption would have serious impact.

- Selectivity and coordination
- Device monitoring
- Easy commissioning
- Built-in functionality

Smart power



When smart technology is needed for analysis and diagnostics.

- Energy management
- Predictive maintenance
- Control

ReliaGear™ smart power distribution

Smart design. Smart technology.

	Application	Performance range	Features
 <p>Lighting panelboard</p>	UL 67	Up to 800 A @480 V AC	<ul style="list-style-type: none"> Advanced electronic trip units within compact frames Increased amperages and sub-feed circuit count, now add up to (5) 250 A subfeeds Thousands of configurations and optional embedded surge protection devices, main metering, or branch circuit metering available Extruded split neutrals to simplify wiring and help speed installation NEMA enclosures offer ample gutter space
 <p>Power panelboard</p>	UL 67	Up to 1,200 A @480 V AC	<ul style="list-style-type: none"> Field-reversible bus stack accommodates top or bottom feeds direction Features award-winning Tmax® XT breaker assemblies designed for improved density and fast installation and replacement Standard design includes safety features, like IP20 interiors Cloud connectivity with built-in metering for real-time data analysis Versatility of factory-assembled and unassembled deliveries Easy configuration with ABB empower tool
 <p>Switchboard</p>	UL 891	Up to 6,000 A @480 V AC	<ul style="list-style-type: none"> Finger-safe plug-in bus stack for increased protection and greater flexibility of circuit breaker placement Tmax® XT circuit breakers featuring 1% power metering accuracy and multiple communications protocols Hinged splice plates with captive hardware allow for quick assembly of sections ABB Ability™ cloud connectivity allows users to remotely access accurate information anywhere or anytime
 <p>LV switchgear</p>	UL 1558	Up to 8,000 A @600 V AC	<ul style="list-style-type: none"> Emax 2 circuit breaker with advanced Ekip trip units Ekip trip unit periodically checks continuity of internal connections and systems, helping improve reliability Optional Ekip Connect software and ABB Ability™ platform offer preventive maintenance capabilities Variety of stack widths available to meet customer needs, including four-high Emax 2 E1.2 circuit breakers in a 15" section Optional integral auto transfers built into the Ekip trip unit Select Ekip trip units offer 1% system metering accuracy
 <p>LV motor control center</p>	UL 845	Up to 3,200 A @480 V AC	<ul style="list-style-type: none"> ACS580 variable frequency drives with active and passive filtering, embedded Blue Tooth Tmax® XT circuit breakers, featuring Ekip Touch and Hi-Touch trip units with Class 1 Energy and Power, cloud connectivity and embedded Blue Tooth Retractable stabs with remote racking up to 600 A Back to back 25" deep; full functioning corner sections Easy field configuration with ABB empower quote tool
 <p>MV switchgear</p>	ANSI C37.20.2	Up to 15 kV, 2,000 A, 31.5 kA	<ul style="list-style-type: none"> Smallest conventional metal-clad switchgear on the market Separate low voltage compartment for instrumentation mounting Modular construction with galvanized steel and hem bending Available with SwitchgearMD™ asset health monitoring and digital switchgear design Vmax/A circuit breaker design lends to a reduction in maintenance with its spring-charged mechanism

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