





LINE CARD

# Residential Solutions

## US product offering

ABB is invested in building the future of residential construction. Since the acquisition of GE Industrial Solutions in 2018, ABB has invested in people, products, and factories to become the partner of choice for home builders, contractors and distributors. Now, ABB offers comprehensive and reliable residential products and solutions for single- and multi-family dwellings to support your business. **Let's build the future of residential, together.**




Load Centers

Product	Image	Features and benefits	Technical specifications
<b>PowerMark PRO single phase</b> Up to 225 A		<ul style="list-style-type: none"> <li>Faster, more efficient installations with plug-on neutral breakers that attach quickly to the round neutral bus using ReliaLock™ connection and round bars.</li> <li>Full-length, elevated neutral bars are easier to wire, reducing installation time and cost</li> <li>Tin-plated copper bus and galvanized box increase durability and reliability</li> <li>Drywall depth tabs and self-leveling keyholes make mounting quick and easy</li> <li>Diamond key knockouts and optimized knockout pattern</li> </ul>	<ul style="list-style-type: none"> <li>Factory-installed neutral and ground bars</li> <li>Single-phase, three-wire, 120/240Vac</li> <li>8-60 circuits</li> <li>22kAIC RMS symmetrical, except where noted</li> <li>Steel breaker mounting rail</li> <li>100 to 225 Amps</li> <li>Indoor and outdoor construction</li> </ul>
<b>PowerMark Gold single phase</b> Up to 225 A		<ul style="list-style-type: none"> <li>Full-length, elevated neutral bars are easier to wire, reducing installation time and cost</li> <li>Raised neutral screws cut wiring time</li> <li>Tin-plated copper bus and galvanized box increase durability and reliability</li> <li>Tangential knockouts reduce conduit bending time</li> <li>Back keyholes and slotted side holes simplify mounting</li> </ul>	<ul style="list-style-type: none"> <li>Single-phase, three-wire, 120/240Vac</li> <li>2-42 circuits</li> <li>22kAIC RMS symmetrical, except where noted</li> <li>Steel breaker mounting rail</li> <li>100% rated split neutral on each side</li> <li>Accepts ABB's exclusive 1/2" THQP</li> <li>100 to 225 Amps</li> <li>Indoor and outdoor construction</li> </ul>
<b>PowerMark Gold meter socket load centers</b> Up to 400 A		<ul style="list-style-type: none"> <li>Provides circuit configuration flexibility with ABB's 1/2" THQP breakers</li> <li>High-quality materials ensure extended durability, while the efficient design enables fast and easy installation</li> <li>Solar ready offering allowing homeowners to utilize solar installations in their electrical system</li> <li>Comprehensive portfolio covering many utility requirements across the US, including EUSERC</li> </ul>	<ul style="list-style-type: none"> <li>Available with SACE FORMULA A1, A2 or THQMV main breakers</li> <li>Service barriers included for factory-installed main circuit breaker and main circuit breaker kits</li> <li>NEMA 3R outdoor rated</li> <li>100 to 400 Amps</li> <li>Accepts ABB's exclusive 1/2" THQP</li> <li>22kAIC RMS symmetrical, except where noted</li> <li>Single-phase, three-wire, 120/240Vac</li> </ul>
<b>PowerMark Plus three phase</b> Up to 225 A		<ul style="list-style-type: none"> <li>Accepts 1, 2, or 3 pole breakers ideal for commercial and high-rise residential units</li> <li>Meets many applications with a factory-installed highly rated SACE FORMULA A2 main circuit breaker or main lugs</li> </ul>	<ul style="list-style-type: none"> <li>Three-phase, four-wire, 120/208Vac</li> <li>22kAIC RMS symmetrical short-circuit rating standard</li> <li>100 to 225 Amps</li> <li>Galvanized box and tin-plated copper stabs<sup>1</sup></li> </ul>




ABB's load centers are UL listed and built to the highest quality standards. All load centers have a 60°C/75°C conductor rating, and each is suitable for use as service entrance equipment when installed in accordance with the NEC. They are designed for maximum flexibility and installation convenience for commercial and residential installations. For a listing of CSA listed load centers, visit [electrification.us.abb.com](http://electrification.us.abb.com)


<sup>1</sup> Three-phase PowerMark Plus load centers have aluminum bus with copper breaker mounting stabs, providing copper-to-copper contact at breaker stabs.

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Specialty Panels



Product	Image	Features and benefits	Technical specifications
<b>PowerMark Gold generator panels</b>		<ul style="list-style-type: none"> <li>Simplifies the connection between a residential generator and the home's electrical system</li> <li>Allows for a smooth transition between power from the utility and the generator</li> <li>Help maintain power to critical circuits such as furnace, heat pump, refrigerator, and lighting</li> <li>Connected dual circuit breaker mechanism ensures that only one source is active at a time</li> </ul>	<ul style="list-style-type: none"> <li>Single-phase, three-wire, 120/240Vac</li> <li>Suitable for use in accordance with Article 702 of the National Electrical Code, ANSI/NFPA 70</li> <li>Single-phase, 2 interlock 60 A or 30 A main breakers, 8 circuits max</li> <li>Safety and convenience when using a generator - 14,000 peak wattage, 11,520 continuous loads, 48 A at 240V</li> </ul>
<b>PowerMark Gold riser panels</b>		<ul style="list-style-type: none"> <li>Perfect solution for multi-story buildings with its offset interior designed to accommodate riser cables through the large gutter to the side of the interior</li> <li>Provides maximum flexibility during installation, and with the gutter tap kits, installers can quickly and easily tap off of the riser cables to the riser panel's main lugs</li> </ul>	<ul style="list-style-type: none"> <li>Offset interior allowing 4 5/8 inches of gutter space to allow use of tap kits, (1) tap kit per phase</li> <li>Interior mounting allows either gutter location, left or right side</li> <li>Accepts 22kAIC rated main breaker, series rated 22/10</li> <li>Sturdy copper bus and galvanized box</li> </ul>
<b>PowerMark Gold pool and spa panels</b>		<ul style="list-style-type: none"> <li>Equipped with GFCI protection</li> <li>Maximum safety for outdoor pool and spa installations</li> <li>Space for up to four additional circuit breakers</li> <li>Factory-installed neutral and ground bars designed for easy and flexible installation</li> <li>Meet the National Electric Code requirements for Ground Fault protection</li> </ul>	<ul style="list-style-type: none"> <li>Expandable with up to four additional circuits</li> <li>Two versions: 50A or 60A 2-pole GFCI circuit breaker installed</li> <li>Bottom or top feed (rain-tight hub included)</li> <li>Equipment ground kit installed</li> </ul>

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Modular Metering

Product	Image	Features and benefits	Technical specifications
<b>Mini Mod III</b>		<ul style="list-style-type: none"> <li>Self-contained metering device is a cost-effective solution for multi-family units, providing main lugs and two-to-six meter sockets in a single enclosure</li> <li>Ideal for duplex, quadplex, and garden style apartments</li> </ul>	<ul style="list-style-type: none"> <li>UL listed (Panelboards No. 67)</li> <li>Indoor/outdoor construction</li> <li>Ring-type and ringless meter sockets</li> <li>Bondable neutral, strap included</li> <li>11-inch mounting Z rail included</li> <li>Swing away mounting feet factory installed</li> <li>Underground, incoming feed only</li> <li>200 to 600 Amps</li> <li>10 to 100kAIC</li> </ul>
<b>Meter Mod III</b>		<ul style="list-style-type: none"> <li>Modular, flexible group metering units with options of main breaker, main fuse, or main lugs with connectors for adding meter stacks on either side</li> <li>NEC compliant with main disconnect and overcurrent protection device ahead of meters when more than six branch circuits are needed</li> <li>Approved and accepted by a wide array of utilities, including EUSERC</li> <li>Surge module available to meet NEC</li> </ul>	<ul style="list-style-type: none"> <li>Main breaker modules UL 489 compliant</li> <li>Main fusible switch modules UL 98 compliant</li> <li>10 to 100kAIC</li> <li>Indoor/outdoor construction</li> <li>Individual meter covers</li> <li>RELT available on 1200A and up main breaker modules</li> <li>400 to 2000 Amp Mains</li> <li>Single phase and three phase options</li> <li>Meter sockets available in 125, 200, and 225 Amps for single phase; 200, 225, and 400 Amps for three phase</li> <li>Variety of accessories including elbows and spacers available</li> </ul>
<b>Single socket metering</b>		<ul style="list-style-type: none"> <li>Provides an installation point for the utility company to install their utility meter in small commercial or residential applications</li> <li>Provides a safe and reliable connection to the electrical service for the building</li> <li>Heavy duty lug screws provide a stronger connection component for reliable termination</li> </ul>	<ul style="list-style-type: none"> <li>Single phase or three phase</li> <li>Tested and UL listed up to 10kAIC short circuit rating</li> <li>Selected items are utility approved</li> <li>NEMA 3R enclosure</li> <li>Integral duplex ground extruded in neutral lug</li> <li>G90 galvanized bridge provides superior corrosion resistance</li> <li>125 Amp units have horn bypass kit that is field installable by changing slide-nut</li> <li>200 Amp units have jaws made of copper-plated alloy and have reinforcing springs to help maintain electrical connections</li> <li>200 Amp units have slide-nuts that allow for ease of installation of conductors and help eliminate lost components</li> </ul>

Product	Image	Feature and benefits	Technical specifications
Horizontal metering		<ul style="list-style-type: none"> <li>Designed for small commercial applications, such as strip malls, mixed-use buildings, and other commercial buildings</li> <li>Multiple gang options allow for flexibility and ease of installation</li> </ul>	<ul style="list-style-type: none"> <li>Single phase, 600Vac maximum</li> <li>UL Listed</li> <li>Selected items are utility approved</li> <li>NEMA 3R enclosure</li> <li>Multiple hub opening and closure plate sizes available</li> <li>2 to 6 meter positions</li> <li>100, 150, and 200 Amp available</li> <li>Main lugs only</li> <li>Overhead and underground service feeds</li> <li>10kAIC short circuit rating (or higher with utility approval)</li> </ul>

### Thermal Magnetic Circuit Breakers

Product	Image	Features and benefits	Technical specifications
Main Circuit Breakers Kits		<ul style="list-style-type: none"> <li>Option to convert a Main Lug load center to Main breaker in the field</li> <li>Simplifies stocking catalog numbers</li> <li>Offers additional flexibility centers</li> <li>Effortless top or bottom feed configurations without requiring any modifications</li> <li>Compatible with PowerMark Gold and PRO convertible load centers, making them an easy and hassle-free addition to your electrical system</li> </ul>	<ul style="list-style-type: none"> <li>Handle trips to center position, giving a clear indication of a tripped breaker</li> <li>Handle's vertical orientation allows it to be mounted for top or bottom feed applications</li> <li>100 to 225A</li> <li>22KAIC interrupting capacity</li> </ul>
Feeder Plug-in Circuit Breakers		<ul style="list-style-type: none"> <li>Comprehensive offering covering all amperages and AIC requirements</li> <li>Available in both 1" and 1/2" sizes maximizing the most of available load center space</li> <li>ABB's exclusive 1/2" THQP circuit breakers offer the highest level of flexibility and breaker density without sacrificing quality</li> <li>1" THQL breakers are compatible with all ABB load centers, and 1/2" THQP are compatible with PowerMark Gold load centers</li> </ul>	<ul style="list-style-type: none"> <li>Handle trips to center position, giving a clear indication of a tripped breaker</li> <li>1" THQL: 1 pole (15A - 70A), 2 pole (15 - 125A), and 3 pole (15A - 100A)</li> <li>1/2" THQP: 1 and 2 pole, 15-50A</li> <li>10, 22, and 65 kAIC interrupting capacity</li> <li>Quick make/Quick break box type terminals</li> <li>Multi-pole circuit breakers incorporate internal common trip</li> </ul>

### Advanced Protection Circuit Breakers







Product	Image	Features and benefits	Technical specifications
AFCI		<ul style="list-style-type: none"> <li>Combination Arc Fault Circuit Interrupter (AFCI) is designed to eliminate Arc faults that may ignite combustible materials in a dwelling</li> <li>AFCI is compact, easy to install and has the flexibility to address shared and mixed neutrals</li> <li>AFCI meets National Electrical Code</li> </ul>	<ul style="list-style-type: none"> <li>Multiple protections: series arc fault, parallel arc fault, overload, and short circuit protection</li> <li>Technical specifications: 1 pole, 15 A or 20A, 10 kAIC or 22 kAIC, 120/240Vac, Wire Range #14-8 AWG CU/#12-8 AWG AL</li> <li>Self-test button and trip indicating flag</li> </ul>
GFCI		<ul style="list-style-type: none"> <li>Ground Fault Circuit Interrupter with Self-Test (GFCI) provides protection against overloads, short circuits, and ground faults</li> <li>It detects very low levels of electrical current leakage (ground faults) and acts quickly to shut off power preventing severe shock</li> <li>GFCI meets National Electrical Code</li> </ul>	<ul style="list-style-type: none"> <li>Multiple protections: ground fault, overload and short circuit protections</li> <li>Technical specifications: 1 or 2 pole, 15 to 50A, 10 kAIC or 22 kAIC, 120Vac or 120/240Vac, Wire Range #14-8 AWG CU / #12-8 AWG AL</li> <li>Include both 5 and 30mA versions</li> <li>Self-test button and trip indicating flag</li> </ul>
DFCI		<ul style="list-style-type: none"> <li>Dual Function Circuit Interrupter (DFCI) combines both Ground Fault and Combination Arc Fault (GFCI &amp; AFCI) detection technology in one easy-to-use device.</li> <li>DFCI is fully compliant with the NEC, making it a reliable choice for various applications</li> </ul>	<ul style="list-style-type: none"> <li>Multiple Protections: Ground fault, series arc fault, parallel arc fault, overload, and short circuit protection</li> <li>Technical specifications: 15A or 20A, Plug-In, 10kAIC or 22kAIC, 120Vac, 60 Hz, Wire Range #14-8 AWG</li> <li>Self-test button and trip indicating flag</li> </ul>

ABB has a comprehensive offering of residential breakers to meet the NEC, NEMA, ANSI, and CSA requirements. Whether its a renovation or new construction installation, single family or high-rise, ABB has the offering to meet your needs. All breakers have copper-to-copper connections, with corrosion-resistant, tin-plated stabs, carry a 60°C/75°C conductor rating. Advanced protection AFCI, GFCI, and DFCI circuit breakers are available in plug-on neutral, short-pigtail, and standard long pigtail options. Our breakers feature a convenient trip flag for visible confirmation when a breaker is tripped. Additionally, our breakers come equipped with standard self-test functionality to help ensure reliable and safe performance.

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Residential Enclosed Circuit Breakers


Product	Image	Features and benefits	Technical specifications
Residential Enclosed Circuit Breakers		<ul style="list-style-type: none"> <li>• Convenient factory-installed main circuit breaker</li> <li>• Corrosion-resistant outdoor (NEMA 3R) enclosure</li> <li>• Service entrance rated UL</li> <li>• Neutral included</li> </ul>	<ul style="list-style-type: none"> <li>• Ampere rating 100, 125, 150, 200</li> <li>• Short circuit ratings: 10kAIC for 100A and 125A, 22kAIC for 150A and 200A</li> <li>• NEMA 3R</li> <li>• UL listed - Suitable for use as service equipment</li> <li>• Complies with NEC 2020 and 2023 requirements</li> </ul>

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Surge Protective Devices

Product	Image	Features and benefits	Technical specifications
THOMESURGE		<ul style="list-style-type: none"> <li>• Type 1 power surge protective device that can be installed with any ABB load center or load centers of any brand, whether used in service entrance or sub-panel locations</li> <li>• Provides reliable and immediate protection for sensitive electronics and appliances throughout the entire home</li> <li>• 3-year, \$25,000 Connected equipment warranty</li> </ul>	<ul style="list-style-type: none"> <li>• 120/240Vac</li> <li>• 36kA per phase protection</li> <li>• 200kA SCCR rating</li> <li>• 10kA Nominal discharge</li> <li>• 50-60Hz Operating frequency</li> <li>• Illuminated LED indicates proper function of protective elements</li> </ul>
THQLSURGE		<ul style="list-style-type: none"> <li>• Type 1 power surge protective device that helps provide reliable protection for sensitive electronics and appliances throughout the entire home</li> <li>• Plug-in design mounts directly on bus like a circuit breaker</li> <li>• 3-year, \$15,000 Connected equipment warranty</li> </ul>	<ul style="list-style-type: none"> <li>• Single phase, three wire, 120/240Vac</li> <li>• 25kA per phase protection</li> <li>• UL 1449 4th edition listed</li> <li>• 100kA SCCR rating</li> <li>• Monolithic, high energy metal oxide varistor per phase with integral thermal and overcurrent protection</li> <li>• Illuminated LED indicates proper function of protective elements</li> </ul>

ABB's Surge Protective Devices offer reliable protection for sensitive electronic equipment against power surges. They are designed to comply with the NEC® 2020 Art. 230.67 SPD requirements for dwelling units at or adjacent to service entrances.

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AC Disconnects

Product	Image	Features and benefits	Technical specifications
Steel and Thermoplastics AC Disconnects		<ul style="list-style-type: none"> <li>• Fusible and Non-Fusible AC Disconnects provide a safe and convenient way to disconnect power to your AC units during maintenance</li> <li>• Smart design allows cover to be closed while cords are plugged in to the GFCI receptacle (on some models)</li> <li>• Disconnect switch positioned above GFCI receptacle allows easier access</li> </ul>	<ul style="list-style-type: none"> <li>• Plastic or Steel enclosures</li> <li>• UL compliant</li> <li>• 15A Duplex GFCI receptacle included on some units (meets latest UL requirements)</li> <li>• On pullout model, handle stores inside enclosure in OFF position</li> <li>• Large, easy-to-read ON/OFF markings</li> <li>• Cover conveniently stores in up position</li> <li>• Padlock ring for extra security</li> </ul>

Scan the QR code to learn more about our Residential solutions and available resources.



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